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Wed Apr 20 07:27:10 2005
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Sequence 393, App
Sequence 393, App
Sequence 392, App
Sequence 312, App
Sequence 24, Appl
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Sequence 2, Appli
Sequence 6, Appli
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1: /cgn2_6/ptodated1/iaa/SA_COMB.pep:*
2: /cgn2_6/ptodated1/iaa/SB_COMB.pep:*
3: /cgn2_6/ptodated1/iaa/6A_COMB.pep:*
4: /cgn2_6/ptodated1/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodated1/iaa/PCTUG_COMB.pep:*
6: /cgn2_6/ptodated1/iaa/PCTUG_COMB.pep:*
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Copyright (c) 1993 - 2005 Compugen Ltd.
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US-09-607-857-415

US-09-507-461-24

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	ALIGNMENTS	ALIGNMENT  109-404-879A-393  Sequence 393, Application US/09404879A  Patent No. 6486546  APPLICANT: Mitcham, Jennifer L.  APPLICANT: Mitcham, Jennifer L.  APPLICANT: Mitcham, Jennifer L.  APPLICANT: Algate, Paul A.  TITLE OF INVENTION: DIAGNOSIS OF OVARIAN  FILE REPRENCE: 210121-46262  CURRENT APPLICATION NUMBER: US/09/404,879A  CURRENT FILING DATE: 1999-09-24  NUMBER OF SEQ ID NOS: 393  SEQ ID NO 393  LENGTH: 282  TYPE: PRI  TYPE: PRI  ORGANISM: Homo sapiens  09-404-879A-393	ALIGNMENTS SGULT 1 -09-404-879A-393 Sequence 393, Application US/09404879A sequence 393, Application US/09404879A sequence 393, Application US/09404879A APPLICANT Mitcham, Jennifer L. APPLICANT King, Gordon E. APPLICANT King, Cordon E. TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER TITLE FREEERENCE: 210121.462C2 CURRENT APPLICATION NUMBER: US/09/404,879A CURRENT FILING DATE: 1999-09-24 CURRENT FILING DATE: 199	ALIGNMENTS  SULT 1  -09-404-879A-393  Sequence 393, Application US/09404879A  Becent No. 6468546  GENERAL INFORMATION: APPLICANT: Mitcham, Jennifer L. APPLICA	ALIGNMENTS  SULT 1  -09-404-879A-393  Sequence 393, Application US/09404879A  Patent No. 6468546  GENERAL INFORMATION:  APPLICANT: Mitcham, Jennifer L.  APPLICANT: M	ALIGNMENTS  SULT 1  -09-404-879A-393  Sequence 393, Application US/09404879A  Batent No. 6468646  GENERAL INFORMATION:  APPLICANT: Mitcham, Jennifer L.  SOFTWARE: FastSEQ for Windows Version 3.0  LENGTH: 282  LENGTH: 282  LENGTH: 282  LENGTH: 282  LENGTH: 282  LENGTH: 282  LOGANISM: Homo sapiens  Ouery Match  Best Local Similarity 100.0%; Score 1431; DB 4; Length 282;  Best Local Similarity 100.0%; Pred. No. 2.5e-138;  Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps  Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps	ALIGNMENTS  SULT 1  -09-404-879A-393  Patent No. 6468546  GENERAL INCORPARATION:  APPLICANT: Mitcham, Jennifer L.  SUCTRANT PALIANT DATE: 1999-09-24  CURRENT APPLICATION NUMBER: US/09/404,879A  CURRENT APPLICATION NUMBER: US/09/404,879A  CURRENT APPLICATION NUMBER: US/09/404,879A  SUCTRANTS: PET CONSTITUTION AND WITCHAM JOURNESS JO

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RESULT 2 US-09-667-857-393 ; Sequence 393, Application US/09667857 ; Patent No. 6699664

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APPLICANT: Mitcham, Jennifer L.
APPLICANT: Midg, Gordon E.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Retter, Marc W.
APPLICANT: Rede, Steven P.
APPLICANT: Rede, Steven G.
APPLICANT: Rede, Steven G.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER, CURRENT APPLICATION UNDBER: 2000-09-20, SOFTWARE: FastSEQ for Windows Version 3.0
SOFTWARE: FastSEQ for Windows Version 3.0
LENGTH: 282
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Best Local Similarity 100.
Matches 282; Conservative
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CRGANISM: Homo sapiens
US-09-667-857-393
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                     Sequence 392, Application US/09404879A

Patent No. 6468546

GREBAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: King, Gordon E.
APPLICANT: Algate, Paul A.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C2
CURRENT PRILIGATION NUMBER: US/09/404,879A

CURRENT FILING DATE: 1999-09-24

NUMBER OF SEQ ID NOS: 393

SOFTWARE: FastSEQ for Windows Version 3.0
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TYPE: PRT
ORGANISM: Homo sapiens
US-09-404-879A-392
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180 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 DIKLSDIVIOWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 147 148 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 207 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 208 WASQVDQGANFSEVSNTSFELNSENVTWKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 267 120 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 9 28 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 87 9 87 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 28 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFFEP 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP APPLICANT: MICCIAN, CHILLIEF L.,
APPLICANT: Algate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Ring, Steven P.
APPLICANT: Retter, Marc W.
APPLICANT: Retter, Marc W.
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Reed, Steven G.
APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REPERENCE: 21012.46225
CURRENT APPLICATION NUMBER: US/09/667, 857
CURRENT FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 455
SOFTWARE: PASTSEQ for Windows Version 3.0 ó Length 309; TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 309 241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 309 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 Query Match 100.0%; Score 1431; DB 4; Best Local Similarity 100.0%; Pred. No. 2.8e-138; Matches 282; Conservative 0; Mismatches 0; Sequence 392, Application US/09667857 Patent No. 6699664 GENERAL INFORMATION: -09-667-857-392 SEQ ID NO 392 88 121 181 268 181 241 268 a D d ò g 8 셤 ò ò g ò 셤 ò ò a ò ò

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75 LVHSFAEGOD----QGSAYANRTALFPDLLAQGNASLRLQRVRVADEGSFTCF-VSIRDF 129
                                             139 GNANLEYKTGA-FSMPEVNVDYN----ASSETLRCEAPRWFPQPTVVWASQVDQGANFS 192
                                                                           79 LVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGK 138
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Sequence 2, Application US/09651200

Sequence 2, Application US/09651200

Sequence 2, Application US/09651200

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION:

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypebtides Encoded Thereby

TITLE OF INVENTION: Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polypebtides Encoded Thereby

TITLE OF INVENTION: Polypebtides Encoded Thereby

TITLE OF INVENTION: 15966-562 (CURA-62)

CURRENT APPLICATION NUMBER: 60/152383

PRIOR APPLICATION NUMBER: 60/152383

PRIOR FILING DATE: 1999-12-21

PRIOR FILING DATE: 1999-12-21

PRIOR FILING DATE: 2000-02-18

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.0
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                                                                                                                                                                                                                                                                                                  Sequence 24, Application US/09620461
GENERAL INFORMATION:
APPLICANT: Coyle, Anthony J.
APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stephen
ITILE OF INVENTION:
FILE REPERENCE: 5800-149
CURRENT APPLICATION NUMBER: US/09/620,461
CURRENT APPLICATION NUMBER: US/09/620,461
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 3.0
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US-09-620-461-24
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Sequence 24, Application US/09910174B

Patent No. 6630575

GERREAL INFORMATION:
APPLICANT: Coyle, Anthony J.
APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stephen
TITLE OF INVENTION: Family and Uses Thereof
FILE REFERENCE: 35800/236924

CURRENT APPLICATION NUMBER: US/09/910,174B

CURRENT FILING DATE: 2000-07-20

PRIOR APPLICATION NUMBER: US 09/620,461

PRIOR APPLICATION NUMBER: US 09/620,461

PRIOR APPLICATION NUMBER: US 09/620,461

NUMBER OF SEQ ID NOS: 32

NUMBER OF SEQ ID NOS: 32

SOFTWARE: FastSEQ for Windows Version 4.0
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Fatent No. 6699664

GENERAL INFORMATION:
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Migate, Paul A.
APPLICANT: Algate, Paul A.
APPLICANT: Fring, Seven P.
APPLICANT: Fring, Steven P.
APPLICANT: Franger, Gary Richard
APPLICANT: Reter, Marc W.
APPLICANT: Reter, Marc W.
APPLICANT: Red, Steven G.
APPLICANT: Carter, Darrick
ITILE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER.
FILE REFERENCE: 210121.46255
CURRENT APPLICATION NUMBER: US/09/667,857
CURRENT APPLICATION NUMBER: US/09/667,857

KUMBER OF SEQ ID NOS: 455
SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 415
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 4; Length 65;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24.3%; Score 348; DB 4; I
100.0%; Pred. No. 2.9e-28;
ive 0; Mismatches 0;
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Matches 65; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               196 NTSFE 200
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                 JS-09-667-857-415
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Matches 7
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LENGTH: 534.
TYPE: PRT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN-----ASSET 165
                                                                                                                                                                                                                                                                                                                     LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
                                                                                                                                                                                                                                                                                                                                                                                     LSCTF -- EPDIKLSDIVIQMLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
                                                                                                                                                                                                                                                       72 LHCSFSPBFPGFSLTQLNLIWQLTDTKQLVHSFTEGRD----QGSAYANRTALFPDLLAQG 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:

APPLICANT: Green et al
TITLE OF INVENTION:
FITLE OF INVENTION:
TITLE OF INVENTION:
CURRENT OF INVENTION:
FILE REFERENCE: 15966-562 (CURA-62)
CURRENT APPLICATION WHBER: US/09/651,200
CURRENT FILING DATE: 2000-08-30
PRIOR APPLICATION NUMBER: 60/152383
PRIOR APPLICATION NUMBER: 60/152383
PRIOR PILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/172909
PRIOR APPLICATION NUMBER: 60/172909
PRIOR APPLICATION NUMBER: 60/18378
PRIOR PILING DATE: 1999-12-21
PRIOR APPLICATION NUMBER: 60/183578
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 25
SEQ ID NOS: 25
SEQ ID NO 4
LENGTH A. 1 ENGRAL A. 1
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                                                                                                                                  50; Mismatches 101; Indels
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                                                                                           uvery match 17.1%; Score 245; DB 4;
Best Local Similarity 27.8%; Pred. No. 1.4e-16;
Matches 72; Conservative 50; Mismatches 101.
                                                                                                                                                                   11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          244 CLVRNPVLQQDAHGSVTIT 262
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ORGANISM: Homo sapiens
                                     TYPE: PRT
CORGANISM: Homo sapiens
US-09-651-200-2
      SEQ ID NO 2
LENGTH: 340
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LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
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                                                              288 ITCSSYRGYPEAEVEW--QDGQGVPLTGNVTTS-QMANEQGLFDVHSVLRVVLGANGTYS
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JANARARE DEFORMATION:

JANARARE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION:

Lymphocyte Activation Antigen B-7 Family and

TITLE OF INVENTION:

FORMATION:

TITLE OF INVENTION:

TITLE OF INVENTION:

FOUREMENT APPLICATION NUMBER:

GO/152383

PRIOR APPLICATION NUMBER:

GO/172909

PRIOR PILING DATE:

PRIOR APPLICATION NUMBER:

GO/172909

PRIOR PILING DATE:

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US-09-651-200-24

Sequence 24, Application US/09651200

Sequence 24, Application US/09651200

Sequence 24, Application US/09651200

Sequence 24, Application US/09651200

GENERAL INFORMATION:

APPLICANT: Green et al

TITLE OF INVENTION: Polymolocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polymolocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polymolocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polymolocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: Polymolocyte Activation Antigen B-7 Family and

TITLE OF INVENTION: VOUNBER: US/09/651,200

CURRENT FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/152383
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6, Application US/09651200 Patent No. 6429303 GENERAL INFORMATION:
                                                                                                                                                                                                                 225 CMIENDIAK--ATGDIKVT 241
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345 CLVRNPVLQQDAHGSVTIT 363
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Best Local Similarity
Matches 72; Conserv
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127
      64 NLIWQLTDTKQLVHSFTEGRD----QGSAYSNRTALFPDLLVQGNASLRLQRVRVTDEGS 119
                                                                128 YKCYIITSKGKGNANLEYKTGAFSMPEVNVDYN----ASSETLRCEAPRWFPQPTVVWA 182
                                                                                        | | :: | | : : | | : : | | 1.20 YTCFVSIQDFDSAAVSLQVAAPYSKPSMTLEPNKDLRPGNMVTITCSSYQGYPEABVFW- 178
                                                                                                                                        183 SQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIK 239
                                                                                                                                                               ---KDGGGVPLTGNVTSQMANERGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVT 235
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ---KDGQGVPLTGNVTSQMANERGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAHGSVT 235
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               63
                                                                                                                                                                                                                                                                                                                                        APPLICANT: Coyle, Anthony J.
APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stephen
TITLE OF INVENTION: Bailty and Uses Thereof
TITLE OF INVENTION: Family and Uses Thereof
TITLE REPERENCE: 5800-149
CURRENT APPLICATION NUMBER: US/09/620,461
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   68 VIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGT
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Patent No. 6630575
GENERAL INFORMATION:
APPLICANT: Colle Anthony J.
APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stephen
TITLE OF INVENTION: B7-H2 Molecules, No. 6630575el Members of the little OF INVENTION: Parally and Uses Thereof
FILE REFERENCE: 35800/236924
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Best Local Similarity
Matches 65; ·Conserv
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236 IT 237
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236 IT 237
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         54 LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS 224
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  68 VIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGT 127
                                                                                                                                                                                                                                                                                                                                                                                            --AGNIGEDGI 53
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                                                                                                                                                                                                                                                                                                                                                        Gaps
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APPLICANT: Coyle, Anthony J.
APPLICANT: Coyle, Stephen
TITLE OF INVENTION: Family and Uses Thereof
FILE REFERENCE: 3580(0/236924
CURRENT APPLICATION NUMBER: US/09/910,174B
CURRENT FILING DATE: 2001-07-20
FRIOR APPLICATION NUMBER: US/09/910,174B
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PASESEQ for Windows Version 4.0
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                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Unknown Organism: Sequence OTHER INFORMATION: mz5020 protein from Figure 4. US-09-651-200-24
                                                                                                                                                                                                                                                                                                                 Length 534;
                                                                                                                                                                                                                                                                                                               Query Match 17.1%; Score 245; DB 4; Length 53 Best Local Similarity 27.8%; Pred. No. 2.9e-16; Matches 72; Conservative 50; Mismatches 101; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
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                                                                                                                                                                                                                                                                                                                                                                                            11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS-
Sequence 28, Application US/09910174B Patent No. 6630575 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CMIENDIAK--ATGDIKVT 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |:: | :: | :: |
438 CLVRNPVLQQDAHGSVTIT 456
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US-09-910-174B-28
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Best Local Similarity
Matches 65; Conserva
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151 SMPEVNVD---YNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVT 207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                151 SMPEVNVD---YNASSETLRCEAPRWFPOPTVVWASQVDQGANFSEVSNTSFELNSENVT 207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27 HSAQFSVLGPSGPILAMVGEDADLPCHLFPTMSAETMELKWVSSSLRQVVNVYADGKEVE 86
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APPLICANT: Fraser, Christopher C.
APPLICANT: Manning, Stephen C.
APPLICANT: Manning, Stephen TITLE OF INVENTION: Family and Uses Thereof
FILE REFERENCE: 5800-149
CURRENT APPLICATION NUMBER: US/09/620,461
CURRENT APPLICATION NUMBER: US/09/620,461
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 18
LENGTH: 513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           40;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Score 223; DB 4; Length 513; Pred. No. 5e-14; 44; Mismatches 108; Indels
CURRENT APPLICATION NUMBER: US/09/910,174B
- CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 09/620,461
PRIOR FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 32
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 513
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Patent No. 6635750
GENERAL INFORMATION:
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26.4%;
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Best Local Similarity 26.44
Matches 69; Conservative
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Best Local Similarity 26.4
Matches 69; Conservative
                                                                                                                                                                                                                                                                                                                                                                                      , TYPE: PRT
, ORGANISM: Homo sapiens
US-09-910-174B-18
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US-09-620-461-18
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δλ	208 MKVVSVLYNVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSS- 264	264
Ωp	201 LYAVAASVIMRGSSGEGVSCTIRSSLLGLEKTASISIADP 240	240
ò	265 FFAISWALLPLSPYLML 281	
DP DP	241 FFRSAQRWIAALARTLPVLLL 261	
Search	Search completed: April 19, 2005, 07:17:34	

Search completed: April 19, 2005, 07:17: Job time : 30 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on:

April 19, 2005, 04:13:09; Search time 85 Seconds (without alignments) 1698.898 Million cell updates/sec

Title: Perfect score: Sequence:

US-10-773-715-6 1431 1 MASLGQILFWSIISIIIILA......SSFFAISWALLPLSPYLMLK 282

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

1612378 seqs, 512079187 residues Searched:

Total number of hits satisfying chosen parameters:

1612378

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

UniProt\_03:\*
1: uniprot\_sprot:\*
2: uniprot\_trembl:\* Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

	-	Description	homod	Q9h6b2 homo sapien	mus 1	mus	Q8k091 mus musculu	Q6p097 homo sapien		Q640s5 xenopus tro		Q640j0 xenopus lae	Q6dj75 xenopus tro	Q9bxr1 homo sapien	Q8nc34 homo sapien	homo	homod	homo	homo	Q8ve98 mus musculu	rattn	homo	bos t	073716 grus americ	Q9be26 macaca fasc	2 bos t	P78409 homo sapien						
SUMMAKIES		ai	Z7D	Ф9н6в2	Q7TPH5	Q7TSP5	Q8K091	. O6P097	Q7ZY30	Q640S5	Q8AVV1	Q640J0	Q6DJ75	Q9BXR1	O8NC34	Q6P5Y4	QBNCB6	Q8NBI8	Q6UXI2	Q8VE98	Q7TPB4	Q6UXE8	90mn60	Q9UM44	Q9HCY1	000481	Q9H730	Q6UX41	046535	073716	Q9BE26	BUTY_BOVIN	P78409
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		Match Length	282	282	283	283	283	187	285	276	275	465	305	316	388	493	533	534	316	316	316	466	220	414	495	513	347	200	286	280	304	526	731
d	Query	Match	100.0	99.6	88.2	87.9	87.6	6.99	35.8	34.5	31.3	19.3	17.9	17.2	17.1	17.1	17.1	17.1	16.8	16.4	16.2	15.8	15.7	15.7	15.6	15.6	15.5	15.5	15.3	15.2	15.1	15.1	15.1
		Score	1431	1425	1261.5	1257.5	1253.5	958	512	493.5	448	2	'n	246.5	245	245	245	. 245	240.5	235	23	225.5	225	225	223	223	222.5	222.5	219.5	217		215.5	215.5
	Result	No.	-	8	М	4	S	9	7	80	σ	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	56	27	28	59	30	31

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000478 British British	Q9H458	Q9NR44	000477	Q9BU81	Q76PA0	015338	P78410	Q99420	Q9EP73	QBCOUB	042404	Q9JK39
٥-	1 7	7	~	~	N	7	N	~	~	~	7	0
584	526	334	319	332	334	357	359	350	290	492	296	275
14.9	14.6	14.6	14.5	14.5	14.5	14.5	14.5	14.3	13.9	13.7	13.7	13.7
213.5	209.5	208.5	207.5	207.5	207.5	207.5	207.5	204	199.5	196.5	196	195.5
32	0 K 0 4	35	36	37	38	39	40	41	42	43	44	45

### ALIGNMENTS

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InterPro; IPR007110; Ig-like.
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EMBL; AKO26071; BAB15349.1; --
HSSP; Q63345; IPKO.
InterPro; IPR003599; Ig.
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Krzywinski M.I., Skalska U., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                              1 MASLGQLLFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFFF
                                                                                                                                                                                                                                                                                                                                                                                                            1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSIIVTTVASAGNIGEDGILSCTFEP
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
                                                                                                                                                                                                                                                                                                                                                                                     0
                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 1431; DB 2; Length 282; 100.0%; Pred. No. 1.5e-107; ive 0; Mismatches 0; Indels 0
                                                                                                                                                                                                                Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL, AY280972; AAP37283.1; -.
EMBL; AY346100; AAQ24206.1; -.
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                                                                                                                                                                                                                                                                                            Interpro; IPR007110; Ig-like.
Pfam, PR0047; ig; 1.

PROSITE; PS50835; IG LIKE; 2.

SEQUENCE 282 AA; 30878 MW; IC9C565A9242E78C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-MAR-2001 (TrEMBLrel. 16, Created)
1-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-0CT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein FLJ22418.
                                                                                                                                     and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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                                                                                                                                                                                                                                                        EMBL; AY358352; AAQ88718.1; -. EMBL; BC074729; AAH74729.1; -. HSSP; Q63345; 1PKO.
                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                             TISSUE=Brain;
Director MGC Project;
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282; Conserv
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121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE-22703430; PubMed=12818166; DOI=10.1016/S1074-7613(03)00147-X; Prasad D.V., Richards S., Mai X.M., Dong C.; Brasad D.V. Richards S., Mai X.M., and C.; Brasad D.V. Richards S., Mai X.M., Dong C.; Brasad D.V., Richards S., Mai X.M., Dong C., Richards S., Mai X., M
                                                                                                                                                                                                                                                                                                                         1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                                                                                                                                                                   Length 282;
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                                                                                     6F9066999A1E9DB4 CRC64;
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Last sequence update)
Last annotation update)
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88.2%; Score 1261.5; DB 2;
Best Local Similarity 88.0%; Pred. No. 8e-94;
Matches 249; Conservative 13; Mismatches 20;
                                                                                                                                                                                                                                                    1;
                                                                                                                                                               Score 1425; DB 2;
Pred. No. 4.7e-107;
                                                                                                                                             99.6%; Pred. No. ...
99.6%; Pred. No. ...
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EMBL; AY322147; AAP88965.1; -.
HASSP; Q63345; IPKO.
INTERPCO; IPR003599; IG.
INTERPCO; IPR007110; IG-like.
EMART; SM00409; IG; IL.
PROSITE; PS550835; IG LIKE; 2.
SEQUENCE 283 AA; 30847 MW; AS
SMART; SM00409; IG; 1.
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 282 AA; 30893 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-OCT-2003 (TrEMBLrel. 25, 01-OCT-2003 (TrEMBLrel. 25, 01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                         Matches 281; Conservative
                                                                                                                                                                           Query Match
Best Local Similarity
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DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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                                                                                                                                                                                                                                                                                                                                                                                      01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Immune costimulatory protein B7-H4 (T cell costimulatory molecule
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H., Chapoval A.I., Flies D.B., Bajorath J., Chen L.; Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100; Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.; "B7x: a widely expressed B7 family member that inhibits T cell activation.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21; Indels
                                                                                                                                                              TESEIKRRSHLQLLNSKASLCV-SSFFAISWALLPLSPYLMLK 282
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7E2F174618578519 CRC64;
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EMBL; AY280973; AAP37284.1; -.
EMBL; AY346099; AAQ24205.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           87.9%; Score 1257.5; DB 2;
87.6%; Pred. No. 1.7e-93;
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                                                                                                                                                                                                                                                                                                                                       PRT;
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InterPro; IPKO7110; Ig-like.
PROSITE; PSSC0835; IG LIKE; 2.
SEQUENCE 283 AA; 30875 MW;
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                                                                                                                                                                                                                                                                                                                                 PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mus musculus (Mouse)
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248; Conserv
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Gaps

1;

Length 283;

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Reduction By Carlot By Car
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MASLGQIIFWSIINIIIILAGAIALIIGFGISGKHFITVTTFTSAGNIGEDGTLSCTFEP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
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                                                                                                      Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Strausberg R.;
Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC032925; AAH32925.1; -.
HSP; Q63345; IPKO.
MGD; MGI:3039619; BC032925.
InterPro; IPR007110; Ig-1ike.
SMART; SMO0409; IG. 1.
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 283 AA; 30801 MW; 7E5817417323453B CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
01-OCT-2002 (TrEMBLrel. 22, Last sequence update) 01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                 Immune costimulatory protein B7-H4.
                                                                                                                                                                                                                                            SEQUENCE FROM N.A.
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                                                                                                                                                                                       NCBI_TaxID=10090;
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RESULT Q6P097

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protein (Fragment)
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                                                                                                                                                                                                                   FROM N.A.
                                                                                                                                                                    NCBI_TaxID=8355;
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                                                                                                                                                                                                                                                                                                                                                             MEDINE=2238257; PubMed=12477932; DOI=10.1073/pnas.242603899; MEDINE=2238257; PubMed=12477932; DOI=10.1073/pnas.242603899; Atlausper R.D., Collins F.S., Wagner L.H., Derge J.G., Schuler G.D., Altschul S.F., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Haieh F., Altschul S.F., Zeeberg B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Stapleton M., Scares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., A stapleton M.J. Uddin T.B., Toshiyuki S., Carninci P., Prange C., A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.M., Villaion D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A., Whiting M., Madan A., Young A.C., Shevchenko Y., Boutfard G.G., Mhiting M., Touchman J.W., Green E.D., Dickson M.C., Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., K.M. Jones S.J., Marra M.A., Smailus D.E., Schnerch A., Schein J.E., Grimerch A., Schein J.E., 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           156 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLOLLNSKASLCVSSFFAISWALLPL 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 MFRGRTAVFADÓVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                      Eukaryorgani, Metascani, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (JAN-2004) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                     Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               66.9%; Score 958; DB 2; I
100.0%; Pred. No. 1.7e-69;
ive 0; Mismatches 0;
  187
                                                          Created)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  66.98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mouse cDNA sequences.
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Matches 187; Conservative
  PRELIMINARY;
                                                                                                         05-JUL-2004 (TrEMBLrel.
B7-H4 protein.
Name=B7-H4;
                                                       05-JUL-2004 (TrEMBLrel.
                                                                                                                                                                                                    Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SPYLMLK 282
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                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
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                                                                                                                                                                                                                                                                                       NCBI_TaxID=9606;
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Last sequence update)
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(TrEMBLrel. 24, (TrEMBLrel. 24, (TrEMBLrel. 26,

072Y30; 01-JUN-2003 ( 01-JUN-2003 ( 01-MAR-2004 (

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PRT;

PRELIMINARY;

Q7ZY30

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187 SWVS--TSGTNLTNLTWITSFQ-PGLNRAVIVRSALREVQLDVQYTCVINTELARAEGDAM 243
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            180 VWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIK 239
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
Richardson P.;
                                  Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              'Genetic and genomic tools for Xenopus research: The NIH Xenopus
                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleost
Amphibia; Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            285 AA; 30741 MW; D937490D361B1B34 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
Name=LOC398470;
Xenopus laevis (African clawed frog)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Interpro; IPR007110; Ig-like.
Interpro; IPR003598; Ig_c2.
SMART; SM00408; IGC2; 1.
PROSITE; PS50835; IG_LIKE; 2.
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Submitted (JAN-2003) to the
EMBL; BC044000; AAH44000.1;
HSSP; Q63345; 1PKO.
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Matches 105; Conservative
                                                                      Kenopodinae, Xenopus
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A Straubberg R.L., Feingold E.A., Grouse L.H., Schamen C.M., Schuler G.D.,

A Altschul S.F., Zeeberg B. Eutow K.H., Schaefer C.F., Bhat N.K.,

A Hischni S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,

A Brapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

A Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,

A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jones S.J., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                Xenopus tropicalis (Western clawed frog) (Silurana tropicalis).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       96; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases EMBL; BC082514; AAH82514.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hypothetical protein.
SEQUENCE 276 AA; 29455 MW; 4E57AAC40184EB1E CRC64;
                                                                                                                                                                                                                          25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and mouse cDNA sequences.";
Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Embryo;
PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                  276 AA.
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244 LTDSGLQTASRLEVFSS 260
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Submitted (SEP-2004) to
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A KEDLINE=2238825; PubMed=12477932; DOI=10.1073/pnas.242603899;

A Klausher R.L., Feingold E.A., Grouse L.H., Derge J.G.,

A Altschul S.F., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K.,

A Altschul S.F., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K.,

A Altschul S.F., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K.,

A Altschul S.F., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K.,

Box Altschul S.F., Zeeberg B. Buetow K.H., Schaefer C.F., Bhat N.K.,

A Brownstein M., Soares M.B., Bonaldo M.F., Casvant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Brownstein M.J., Wokernen K.J., Malek J.A., Gunaratne P.H.,

Rachards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,

Rachards M., Felton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,

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Radriguez A.C., Garimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

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"Generation and initial analysis of more than 15,000 full-length human
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Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
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Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.
Richardson P.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98; Indels
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Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
EMBL; BC041253; AAH41253.1;
HSSP; Q63345; 1PKO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
SMART; SM0409; IG; II
PROSTIE; PS50835; IG LIKE; 2.
SEQUENCE 275 AA; 29751 MW; 5FD1B8FB6BC3A40B CRC64;
                                                                                                                                                                                                                                                                                Created)
Last sequence update)
Last annotation update)
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275 AA
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                                                                                                                                                                                                                                                                                                                                                                                         MGC52801 protein.
Xenopus laevis (African clawed frog)
                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                            01-MAR-2003 (TrEMBLrel. 23,
01-MAR-2003 (TrEMBLrel. 23,
01-MAR-2004 (TrEMBLrel. 26,
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Matches 100; Conservative
                                                                                                                                                                                                             PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Xenopodinae; Xenopus.
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                                                                         120 VQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTV 179
                                                                                                                             61 PDTTQAN-NIQWEKVGTSGVVYKYENGKSLLNGQNADFKGRTSLFISEIKSGNASLKLTQ 119
                                                                                                                                                                                                                                   180 VWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIK 239
                                                                                                                                                                                                                                                                                        177 TWESNSED--NITNTIKTTYPPALFNLT-DVTSELHGAQLDVEYTCKIHTVLAQAVGVSM 233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hypothetical protein.
Xenopus laevis (African clawed frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TISSUB-Embryo;
MEDLINE=22341132; PubMed=12454917; DOI=10.1002/dvdy.10174;
Klein S.L., Strausberg R.L., Wagner L., Pontius J., Clifton S.W.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genetic and genomic tools for Xenopus research: The NIH Xenopus
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Klein S., Gerhard D.S.;
Submitted (SEP-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC082635; AAH82635.1; -.
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465 AA; 52720 MW; 6790941778C39F95 CRC64;
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Best Local Similarity
Matches 64; Conserv
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SEQUENCE 46
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TISSUE-Whole body;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;

Strausberg R.L., Felingold E.A., Grouse L.H., Derge J.G.,

Altschul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K.,

Altschul S.F., Zeeberg B., Buetcw K.H., Schaefer C.F., Bhat N.K.,

Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hishe F.,

Altschul S.F., Jordan H., Moore T., Max S.L., Wang J., Hsieh F.,

Blatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hind L.,

Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,

Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,

Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,

Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,

Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,

Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A.,

Richards S., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,

Mhiting M., Madan A., Young A.C., Shevchenko Y., Boulfard G.G.,

Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S.,

Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,

"Generation and initial analysis of more than 15,000 full-length human
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125 VELKVAAMGLINPLISIEDYQQGEITLKCESSGWYPAPAATW---LDESGNNMK---SSVE 178
                                                                                                                                                                                                                                                       FKEGKDELSEQDEMFRGRIAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNAN 142
                                                                                                                                                                                                                                                                                                                                                                            65 YKNGEDNYREQMEEFRGRIEFLKODITQGVGTLIISNVTLADEGRYSCFYEFDNRQGEVH 124
                                                                                                 ONTITIES OF THE STREET OF THE 
23 IALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEPDIKLSDIVIQWLKEGVLGLVHE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 143 LEYKIGAFSM-PEVNV-DYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFE
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Amphibia, Batrachia, Anura, Mesobatrachia, Pipoidea, Pipidae,
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Klein S., Gerhard D.S.;
Submitted (UM-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; BC075308; AAH75308.1; -
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REGUIRNCE 305 AA; 35102 MW; 0E54FA8057EF2944 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     305 AA.
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Interpro; IPR007110; IG-like.
Interpro; IPR003595; IG-like.
SMART; SM00409; IG; 1.
SMART; SM00406; IGv; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cDNA sequences.
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Name=MGC88971;
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NCBI_TaxID=9606;
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01-OCT-2002
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                                                                                                        SETINHNQAQVELKVAAMGLHPFIWVEDYHDGKITLNCESSGWFPKPMAMWQDETGTRLES 181
                                                                                                                                     SEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAK--ATGDIKVTESEIKR-- 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       79 LVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGK 138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GNANLEYKTGA-FSMPEVNVDYN----ASSETLRCEAPRWFPQPTVVWASQVDQGANFS 192
                                            74 EGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYII 133
                                                                                         134 TSKGKGNANLEYKTGAFSM-PEVNV-DYNASSETLRCEAPRWFPQPTVVWASQVDQGANF 191
               GAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTF--EPDIKLSDIVIQWLKEGVLG 78
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEPDIKLSDIVIQWLK
                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=21163383; PubMed=11224528; Chapoval A.I., Ni J., Lau J.S., Wilcox R.A., Flies D.B., Liu D., Chapoval A.I., Ni J., Lau J.S., Wilcox R.A., Flies D.B., Liu D., Dong H., Sica G.L., Zhu G. Tamada K., Chen L.; A costimulatory molecule for T cell activation and IFN-gamma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EVSNTSFELNSENVTMKVVSVLYNVT-INNTYSCMIENDIAK--ATGDIKVT 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 2; Length 316;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17.2%; Score 246.5; DB 2; Length 3 30.2%; Pred. No. 1.2e-11; tive 44; Mismatches 99; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Created)
Last sequence update)
Last annotation update)
                                                                                                                                                                                 248 RSHLQLLNSKASLCVSSFFAISWALLPLSP 277
                                                                                                                                                                                              237 RSGISRF-----VLMASCLAVALIVIGUTP 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nat. Immun. 2:269-274(2001).

EMBL; AF302102; AAK15438.1; --
HSSP; QG3345; 1PRO.

GO; GO:0008283; P:cell proliferation; NAS.

GO; GO:0006955; P:immune response; NAS.
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InterPro; IPR007110; Ig-like.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 30.2
Matches 70; Conservative
                                                                                                                                                                                                                                                               PRELIMINARY;
                                                                                                                                                                                                                                                                                                                     Costimulatory molecule.
Homo sapiens (Human).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  112 NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN----ASSET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVT-INNTYS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ---AGNIGEDGI
                                                                                                                                                                                                                                                    Isogai T., Ota T., Nishikawa T., Hayashi K., Otsuki T., Sugiyama T., Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K., Yamamoto J., Wakamatsu A., Nakamura Y., Kojima S., Nagahari K., Masuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N., Hattori A., Okumura K., Iwayanagi T., Ninomiya K.; Submitted (MAR-2002) to the EMBL/Genbank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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MEDLINE=22388257; PubWed=12477932; DOI=10.1073/pnas.242603899;
Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
                                                                                                                                     Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
NCBI_TaxID=9606;
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 388;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17.1%; Score 245; DB 2; Length 38 27.8%; Pred. No. 2e-11; ive 50; Mismatches 101; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pfam; PF00047; ig; 2. SMART; SM00408; IGc2; 1. PROSITE; PS50835; IG_LIKB; 3. SEQUENCE 388 AA, 41768 MW; 44A59B9E3AB3DCD3 CRC64;
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein.
Homo sapiens (Human)
                                                                                   Last annotation update)
                                        (TrEMBLrel. 22, Created)
(TrEMBLrel. 22, Last sequence update)
(TrEMBLrel. 26, Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11 SIISIIIILAGAIALIIGFGI---SGRHSITVTTVAS--
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PRT;
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                                                                               01-MAR-2004 (TrEMBLrel. 26, Las
Hypothetical protein FLJ90516.
Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                               HSSP, Q63345; 1PKO.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig_c2.
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PRELIMINARY;
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Best Local Similarity 2
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Hopkins R.F., Jordan H., Moore T., Max, S.I., Wang J., Hsieh F., Datchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Carannor T.L., Scheetz T.E., Brownstein M.J., Usdin T.B., Tochiyuki S., Carninci P., Frange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., A Rabask S.A., McKernan K.J., Malek J.A., Gunaratne P.H., A Richards S., Worley K.C., Hale S., Garcellan G.Y., Lu X., Gibbs R.A., Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A., Richards S., Sanchez A., Multing M., Madan A., Young A.C., Shevchenko Y., Bouffaud G.G., Blakesley R.W., Touchman J.W., Green B.D., Dickson M.C., Rzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SILRVVLGANGTYSCLVRNPVLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDAT 265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LSCTF--EPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVG 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGA-FSMPEVNVDYN----ASSET 165
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           36;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 493;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Score 245; DB 2; Length 49; Pred. No. 2.8e-11; 50; Mismatches 101; Indels
                                                                                                                                                                                                                                                                                                                                                      Strausberg R.;
Submitted (NOV-2003) to the EMBL/GenBank/DDBJ databases.
EMBL; BC062581; AAH62581.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CD7C5591CC4822D2 CRC64;
                                                                                                                                                                                                                                                                                      Sci. U.S.A. 99:16899-16903(2002).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hypothetical protein. sEQUENCE 493 AA; 52761 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                         nterPro; IPR007110; Ig-like.
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nterPro; IPR003598; Ig.c2.
nterPro; IPR003596; Ig.v.
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                                                                                                                                                                                                                                                                        and mouse cDNA sequences.
                                                                                                                                                                                                                                                                                                                                                                                                           interPro; IPR003599; Ig.
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completed: April 19, 2005, 07:15:01

Job time : 93 secs

01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-MRR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein FLJ90368.
Homo sapiens (Human).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,

01-0CT-2002 (TrEMBLrel. 22, Created) 01-0CT-2002 (TrEMBLrel. 22, Last seq 01-MAR-2004 (TrEMBLrel. 26, Last ann

08 NCB6 1D 08 AC 01 DT 01 DT 01 DE HY

533 AA.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       36; Gaps
                                                                                                                                                                Isogai T., Ota T., Nishikawa T., Hayashi K., Otsuki T., Sugiyama T Suzuki Y., Nagai K., Sugano S., Ishii S., Kawai-Hio Y., Saito K., Yamamoto J., Wakamatsu A., Nakamura Y., Kojima S., Nagahari K., Amasuho Y., Ono T., Okano K., Yoshikawa Y., Aotsuka S., Sasaki N., Hattori A., Okumura K., Iwayamagi T., Ninomiya K.; Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 533;
Eutheria; Primates; Catarrhini; Hominidae; Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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SMART; SM0409; IG; 4.
PROSITE; PS50835; IG LIKE; 4.
SEQUENCE 533 AA; 57179 MW; FC7E3E3A84F56A56 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17.1%; Score 245; DB 2; I 27.8%; Pred. No. 3.1e-11; tive 50; Mismatches 101;
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InterPro; 1PR003599; Ig.
InterPro; 1PR007110; Ig-like.
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Matches 72; Conservative
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SEQUENCE FROM N.A.
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RESULT 1
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| cgn2 6/ptodata/2/pubpaa/USO7 NEW PUB.ppp:*
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| cgn2 6/ptodata/2/pubpaa/USO6 NEW PUB.ppp:*
| cgn2 6/ptodata/2/pubpaa/USO6 PUBCOMB.ppp:*
| cgn2 6/ptodata/2/pubpaa/USO7 NEW PUB.ppp:*
| cgn2 6/ptodata/2/pubpaa/USO8 NEW PUB.ppp:*
| cgn2 6/ptodata/2/pubpaa/USO8 NEW PUB.ppp:*
| cgn2 6/ptodata/2/pubpaa/USO8 PUBCOMB.ppp:*
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| cgn2 6/ptodata/2/pubpaa/USO9 PUBCOMB.ppp:*
| cgn2 6/ptodata/2/pubpaa/USO9 NEW PUB.ppp:*
| cgn2 6/ptodata/2/pubpaa/USO9 PUBCOMB.ppp:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
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Gapop 10.0 , Gapext 0.5
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Maximum DB seq length: 200000000
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1431
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	% Query Match	% Query Match Length DB	BB	SUMMARIES	Description	
-	1431	100.0	282	σ	US-09-778-320-208	Seguence	208,
7	1431	100.0	282	σ	US-09-850-178-33	Seguence	33, A
М	1431	100.0	282	σ	US-09-877-065-8	Sequence	8, Ap
4	1431	100.0	282	σ	US-09-989-722-291	Sequence	291,
S	1431	100.0	282	σ	US-09-989-723-291	Seguence	291,
9	1431	100.0	282	σ	US-09-989-279-291	Sequence	291,
7	1431	100.0	282	σ	US-09-989-727-291	Sednence	291,
80	1431	100.0	282	თ	US-09-910-689-208	Sequence	208,
σ	1431	100.0	282	σ	US-09-989-731-291	Sequence	291,
10	1431	100.0	282	σ	US-09-884-441-393	Seguence	393,
11	1431	100.0	282	σ	US-09-989-732-291	Seguence	291,
12	1431	100.0	282	σ	US-09-991-073-291	Sequence	291,
13	1431	100.0	282	σ	US-09-990-442-291	Seguence	291,

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Sequence 291, App	29	29	29	29	ď	'n	29	5	29	29	Sequence 291, App	29	õ	2	Sequence 291, App	7	~	~	~	~		291,	291,	291,	291,	291,	291,	291,	291,	Sequence 291, App	e 291,
9 US-09-991-163-291	9 US-09-993-604-291	-69-	-60-	9 US-09-992-598-291	-60-	4	4	4	0-444-29	4	-989-730-2	-990-436-29	7-29	US-09-989-13	10 US-09-997-653-291	US-09-989-724-2	US-09-989-728-2	US-09-990-44	-60-SD	US-09-997-428-	-999-266-60-SN	09-990-438-	US-09-990-562-	US-09-990-711-2	US-09-989-72	US-09-998-15	-60	US-09-991-15	10 US-09-997-514-291	US-09-997-5	10 US-09-991-172-291
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#### ALIGNMENTS

US-08-320-208	-208
; Sequence 20	Sequence 208, Application US/09778320
, Patent No.	Patent No. US20010034052A1
; GENERAL INFORMATION:	OKMATION:
APPLICANI:	Dilion, Davin C. Day Craig H
APPLICANT	Jiang, Yudiu
; APPLICANT:	Houghton, Raymond L.
; APPLICANT:	Mitcham, Jennifer
; APPLICANT:	
; APPLICANT:	McNeill,
; TITLE OF I	
; TITLE OF INVENTION:	NVENTION: DIAGNOSIS OF BREAST CANCER
; FILE REFER	FILE REFERENCE: 210121.491C5
, CURRENT AP	₹.
; CURRENT FI	N
; NUMBER OF	NUMBER OF SEQ ID NOS: 301
; SOFTWARE:	FastSEQ for Windows Version 3.0
; SEQ ID NO 208	. 80
; LENGTH: 282	82
; TYPE: PRT	
; ORGANISM: Hom US-09-778-320-208	ORGANISM: Homo sapiens 9-778-320-208
Query Match	
Best Local Similarity	100.0%; Pred. No. 2.7e-112;
Matches 28	282; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
0,	1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
2	
Qy 61	DIKLSDIVIQWIKEGVIGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRIKNV 120
Db 61	DIKLSDIVIQWLKEGVLGLYHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKAV 120

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RESULT 4
US-09-989-722-291
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APPLICANT:
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QLIDAGIYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCBAPRWFPQPTVV
                                                                  WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Krasc, Michael R.
APPLICANT: Krascchvil, Jon D.
APPLICANT: Kraccchvil, Jon D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Gordon, Juliano
TITLE OF INVENTION: REAGENTS AND METHODS USFUL FOR
TITLE OF INVENTION: REAGENTS AND METHODS USFUL FOR
TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
FILE REPERENCE: 6251.US.Pl
CURRENT APPLICATION NUMBER: US/09/850,178
CURRENT FILING DATE: 1997-11-18
NUMBER OF SEQ ID NOS: 33
SOFTWARE: FRASEEQ for Windows Version 4.0
SEQ ID NO 33
LENGTH 282
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                                                                                                                                                                  241 TESEIKRRSHLQLENSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                     241 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Pred. No. 2.7e-112;
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Best Local Similarity 100.0%; Pred. No. 2.7 Matches 282; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                          APPLICANT: Abbott Laboratories
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colipitas Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Russell, John C.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Klass, Michael R.
APPLICANT: Kratochvil, Joh D.
                                                                                                                                                                                                                                                             Sequence 33, Application US/09850178 Patent No. US20020034749A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: PRT
CORGANISM: Homo sapiens
US-09-850-178-33
                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
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RESULT 3

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Sequence 8, Application US/09877065
; Sequence 8, Application US/09877065
; Patent No. US20020051990A1
; GENERAL INFORMATION:
; APPLICANT: OPLE, ERIC
; APPLICANT: OFLE, ERIC
; APPLICANT: MCLACHLAN, KAREN
; APPLICANT: MCLACHLAN, KAREN
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS
; TITLE OF INVENTION: UNBER: US/09/877,065
; CURRENT APPLICATION NUMBER: US/09/877,065
; CURRENT APPLICATION NUMBER: 60/210,451
; PRIOR FILING DATE: 2001-06-11
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ 1D NOS: 14
; SOFTWARE: Patentin Ver. 2.1
; SEQ 1D NO 8
; LENTHREE PATENTIN VER. 2.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 MASLGOILFWSIISIIIILAGAIALIIGFGISGRHSIIVTTVASAGNIGEDGILSCTFEP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 282;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Score 1431; DB 9;
100.0%; Pred. No. 2.7e-112;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 291, Application US/09989722; Patent No. US200220072067A1
SENERAL INFORMATION: APPLICANT: Ashkenazi, Avi J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Grimaldi,J.Christopher
Gurney, Austin L.
Kljavin,Ivar J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Stewart, Timothy A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Watanabe, Colin K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Roy, Margaret Ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pan, James
Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gerritsen, Mary E
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Best Local Similarity 100.0
Matches 282; Conservative
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Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Napier, Mary A.
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                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
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1998-06-10

1998-06-11

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R APPLICATION NUMBER: 60/089599
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089600
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089653
R FILING DATE: 1998-06-17
                                                       R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/088876
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/089105
R FILING DATE: 1998-06-12
R APPLICATION NUMBER: 60/089440
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090445
APPLICATION NUMBER: 60/090472
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APPLICATION NUMBER: 60/090535
FILING PATE: 1998-06-24
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APPLICATION NUMBER: 60/090678
FILING DATE: 1998-06-25
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
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APPLICATION UNMBER: 60/089538
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598
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APPLICATION NUMBER: 60/089801
FILING DATE: 1998-06-18
FILING DATE: 1998-06-18
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FILING DATE: 1998-06-18
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APPLICATION NUMBER: 60/089947
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FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089952
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APPLICATION NUMBER: 60/090246
FILING DATE: 1998-06-22
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FILING DATE: 1998-06-22
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090431
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APPLICATION NUMBER: 60/090435
FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/090676
                                            APPLICATION NUMBER: 60/088861
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APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-22
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APPLICATION NUMBER: 60/090355
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APPLICATION NUMBER: 60/088824
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1998-06-19

1998-06-17

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APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C62
                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/989,723 CURRENT FILING DATE: 2001-11-19
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PRIOR PILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-06-16
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR PILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR APPLICATION NUMBER: 60/065311
PRIOR PILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/075945
PRIOR APPLICATION NUMBER: 60/075910
PRIOR APPLICATION NUMBER: 60/073910
PRIOR PELING DATE: 1998-03-20
PRIOR PELING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/08332
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-03-20
PRIOR PILING DATE: 1998-05-28
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PRIOR PLING DATE: 1998-06-02
PRIOR PLING DATE: 1998-06-02
PRIOR PLING DATE: 1998-06-02
PRIOR PLING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-04
PRIOR PLING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/088030
FILING DATE: 1998-06-04
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PRIOR FILING DATE: 1998-66-04
PRIOR PPLICATION NUMBER: 60/088326
PRIOR FILING DATE: 1998-06-04
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APPLICATION UNMBER: 60/088202
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088212
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APPLICATION NUMBER: 60/087609
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APPLICATION NUMBER: 60/088029
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PRIOR FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088217
                                                                                                                                                                                                 Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                Roy, Margaret Ann
Stewart, Timothy
                                                                                 Paoni, Nicholas F.
Kljavin, Ivar J.
Napier, Mary A.
                                                                                                                                                                     Tumas, Daniel
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100.0%; Score 1431; DB 9;
Best Local Similarity 100.0%; Pred. No. 2.7e-112;
Matches 282; Conservative 0; Mismatches 0;
                                                                 APPLICATION NUMBER: 60/090695
DR FILING DATE: 1998-06-25
DR FILING DATE: 1998-06-25
DR FILING DATE: 1998-06-25
DR APPLICATION NUMBER: 60/090862
DR APPLICATION NUMBER: 60/090863
DR FILING DATE: 1998-06-26
DR APPLICATION NUMBER: 60/091360
DR APPLICATION NUMBER: 60/091360
DR APPLICATION NUMBER: 60/091360
DR APPLICATION NUMBER: 60/091478
DR FILING DATE: 1998-07-01
DR APPLICATION NUMBER: 60/091519
DR FILING DATE: 1998-07-02
DR APPLICATION NUMBER: 60/091519
DR FILING DATE: 1998-07-02
DR APPLICATION NUMBER: 60/091633
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Patent No. US20020072092A1
GENERAL INFORMATION:
               APPLICATION NUMBER: 60/090694
FILING DATE: 1998-06-25
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FILING DATE: 1998-07-07
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Godowski, Paul J.
Grimaldi, J.Christopher
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Eaton, Dan L.
Ferrara, Napoleone
Fong, Sherman
Gerber, Hanspeter
Gerritsen, Mary E.
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Botstein, David
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
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US-09-989-723-291
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R FILING DATE: 1998-06-10
R PAPLICATION NUMBER: 60/088858
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/088861
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/088976
R FILING DATE: 1998-06-11
                                                                                                                                                                                                                                                                                                                                                                                                                       R FILING DATE: 1998-06-12
R APPLICATION NUMBER: 60/089440
R FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089512
R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089514
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/08824
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APPLICATION NUMBER: 60/088826
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598
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APPLICATION NUMBER: 60/089947
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APPLICATION NUMBER: 60/089948
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090349
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FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090429
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APPLICATION NUMBER: 60/090435
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FILING DATE: 1998-06-24
                         APPLICATION NUMBER: 60/088742
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FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/090431
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1998-06-
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; Pred. No. 2.7e-112;
0; Mismatches 0;
                           R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090676

RR APPLICATION NUMBER: 60/090678

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090690

R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090690
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R APPLICATION UNMERS: 60/090862

R APPLICATION NUMBER: 60/090863

R APPLICATION NUMBER: 60/090863

R PILING DATE: 1998-06-26

R APPLICATION NUMBER: 60/091360

R APPLICATION NUMBER: 60/091360
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Patent No. US20020072496A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker Kevin P.
APPLICANT: Botstein, David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: 60/091982
FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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APPLICATION NUMBER: 60/091626
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FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091978
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APPLICATION NUMBER: 60/090696
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FILING DATE: 1998-07-02
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FILING DATE: 1998-07-01
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Best Local Similarity 100.0%;

Matches 282; Conservative 0
1998-06-24
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PR FILING DATE: 1998-06-10

R APPLICATION UNMERS: 60/088824

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/088826

R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/08858
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R APPLICATION NUMBER: 60/089908
R FILING DATE: 1998-06-18
R PILING DATE: 1998-06-19
R PILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/089948
R FILING DATE: 1998-06-19
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R APPLICATION NUMBER: 60/090349
RFILING DATE: 1998-06-23
R APPLICATION NUMBER: 60/090355
R FILING DATE: 1998-06-23
R APPLICATION NUMBER: 60/090429
                         APPLICATION NUMBER: 60/088212
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088217
FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/08810
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FILING DATE: 1998-06-12
APPLICATION NUMBER: 60/089440
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FILING DATE: 1998-06-18
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/089907
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FILING DATE: 1998-06-19
PPLICATION NUMBER: 60/090246
FILING DATE: 1998-06-22
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090254
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FILING DATE: 1998-06-24
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090435
FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/088738
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APPLICATION NUMBER: 60/088876
FILING DATE: 1998-06-11
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
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FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089532
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FILING DATE: 1938-66-17
APPLICATION NUMBER: 60/089598
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
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APPLICATION NUMBER: 60/089653
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-11
  FILING DATE: 1998-06-05
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic FILE OF INVENTION: Acids Encoding the Same CURRENT APPLICATION NUMBER: 05/09/989,279

PRIOR PELICATION NUMBER: 05/09/989,279

PRIOR PELICATION NUMBER: 05/06/250

PRIOR APPLICATION NUMBER: 06/06/250

PRIOR APPLICATION NUMBER: 06/06/210

PRIOR APPLICATION NUMBER: 06/06/210

PRIOR APPLICATION NUMBER: 06/06/210

PRIOR APPLICATION NUMBER: 06/06/210

PRIOR APPLICATION NUMBER: 06/08/210

PRIOR APPLICATION NUMBER: 06/08/210

PRIOR APPLICATION NUMBER: 06/08/20

PRIOR PLING DATE: 1998-06-0

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PRIOR PLING PLING DATE:
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APPLICATION NUMBER: 60/088167
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088202
                                                                                                                                                                                         Godowski, Paul J.
Grimaldi, J.Christopher
Gurney, Austin L.
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ICATION NUMBER: 60/088326
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Williams, P. Mickey
Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                   Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                         Eaton, Dan L.
Ferrara, Napoleone
                                                                                                      Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
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Desnoyers, Luc
                                                                                Fong, Sherman
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same FILE PEPERBURE: P2730PLC65
CURRENT APPLICATION NUMBER: US/09/989,727
CURRENT FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR FILING DATE: 1997-11-24
PRIOR PLING DATE: 1998-02-25
PRIOR FILING DATE: 1998-02-25
PRIOR FILING DATE: 1998-03-20
PRIOR FILING DATE: 1998-04-28
PRIOR FILING DATE: 1998-04-28
PRIOR PLING DATE: 1998-04-28
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IR FILING DATE: 1998-05-07
OR FILING DATE: 1998-05-28
OR APPLICATION NUMBER: 60/087607
                                       Sequence 291, Application US/09989727
Patent No. US20020072497A1
GENERAL INFORMATION:
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APPLICATION NUMBER: 60/088029
FILING DATE: 1998-06-04
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FILING DATE: 1998-06-02
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FILING DATE: 1998-06-02
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APPLICATION NUMBER: 60/087827
FILING DATE: 1998-06-03
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A
Tumas, Daniel
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                                                                                                     APPLICANT: Ashkenazi, Avi J. APPLICANT: Baker, Kevin P. APPLICANT: Botstein, David
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                                       FILING DATE: 1998-06-24
APPLICATION UNMBER: 60/090472
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090535
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APPLICATION NUMBER: 60/090540
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
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APPLICATION NUMBER: 60/090690
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APPLICATION NUMBER: 60/090695
FILING DATE: 1998-06-25
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090862
PILING DATE: 1998-06-26
APPLICATION NUMBER: 60/090863
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APPLICATION NUMBER: 60/091360
FILING DATE: 1998-07-01
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FILING DATE: 1998-07-02
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FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091519
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APPLICATION NUMBER: 60/091626
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091633
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FILING DATE: 1998-07-09
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APPLICATION NUMBER: 60/090694
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Best Local Similarity
Matches 282; Conserv
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R APPLICATION NUMBER: 60/088167

R FILING DATE: 1998-06-05

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R APPLICATION NUMBER: 60/088217

R FILING DATE: 1998-06-05

R APPLICATION NUMBER: 60/088217

R FILING DATE: 1998-06-09

R APPLICATION NUMBER: 60/088734

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R FILING DATE: 1998-06-10

R APPLICATION NUMBER: 60/088738

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R PAPLICATION NUMBER: 60/089532

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089538

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089598

R HILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/088858
FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088861
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089514
APPLICATION NUMBER: 60/088033
FILING DATE: 1998-06-04
                                                       APPLICATION NUMBER: 60/088326
FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/08876
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APPLICATION NUMBER: 60/089653
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089801
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APPLICATION UNDHER: 60/089947
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089948
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FILING DATE: 1998-06-17
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APPLICATION NUMBER: 60/089907
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APPLICATION NUMBER: 60/090246
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FILING DATE: 1998-06-22
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61 DIKLSDIVIQWIKEGVIGIVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASIRLKAVV 120 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP ö Length 282; Indels Query Match 100.0%; Score 1431; DB 9; Best Local Similarity 100.0%; Pred. No. 2.7e-112; Matches 282; Conservative 0; Mismatches 0; R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/1990862
R FILING DATE: 1998-06-26
R APPLICATION NUMBER: 60/990863
R APPLICATION TOWNER: 60/990863
R APPLICATION NUMBER: 60/091360
R PILING DATE: 1998-06-26 R APPLICATION NUMBER: 60/090678
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090690
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090694
R FILING DATE: 1998-06-25 FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090429
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090431
FILING DATE: 1998-06-24 FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090557
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090435 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090444 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090535 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090540 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090542 PRIOR FILING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091478
PRIOR PLING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091544
PRIOR FILING DATE: 1998-07-01 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090445 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090472 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090695 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090696 APPLICATION NUMBER: 60/091544 FILING DATE: 1998-07-01 APPLICATION NUMBER: 60/091519 FILING DATE: 1998-07-02 FILING DATE: 1998-07-02 APPLICATION NUMBER: 60/091626 FILING DATE: 1998-07-02 FILING DATE: 1998-07-07 APPLICATION NUMBER: 60/092182 FILING DATE: 1998-07-09 61 ઠે

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APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE REFERENCE: P2730P1C70

CURRENT PAPLICATION NUMBER: US/09/989,731

CURRENT FILING DATE: 2001-11-20

PRIOR PAPLICATION NUMBER: 60/049787

PRIOR PILING DATE: 1997-06-16

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-11-12

PRIOR PILING DATE: 1997-11-12

PRIOR PILING DATE: 1997-11-13

PRIOR PELICATION NUMBER: 60/065311

PRIOR PILING DATE: 1997-11-24

PRIOR PILING DATE: 1997-11-24

PRIOR PILING DATE: 1998-102-25

PRIOR PILING DATE: 1998-02-25

PRIOR APPLICATION NUMBER: 60/078910

PRIOR PILING DATE: 1998-03-20

PRIOR PILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/08332

PRIOR APPLICATION NUMBER: 60/08332

PRIOR APPLICATION NUMBER: 60/08332

PRIOR PILING DATE: 1998-03-20

PRIOR APPLICATION NUMBER: 60/08332

PRIOR PILING DATE: 1998-04-28

PRIOR PILING DATE: 1998-05-07

PRIOR PILING DATE: 1998-05-07

PRIOR PILING DATE: 1998-05-07
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R FILING DATE: 1998-06-02
R FILING DATE: 1998-06-02
R APPLICATION NUMBER: 60/087827
R APLING DATE: 1998-06-03
R APLING DATE: 1998-06-03
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APPLICATION NUMBER: 60/088033
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087609
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FILING DATE: 1998-66-04
PPLICATION NUMBER: 60/088026
FILING DATE: 1998-06-04
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FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088029
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APPLICATION NUMBER: 60/088030
FILING DATE: 1998-06-04
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FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/087106
FILING DATE: 1998-05-28
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FILING DATE: 1998-06-04
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                                                                                                       Grimaldi, J. Christopher
                                                                                                                                                                                                                                                                                                                                                                                                           Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                                                                                                                                                                                                           Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                                                                                                           Paoni, Nicholas F.
                                                                       Godowski, Paul J.
                                                                                                                                       Gurney, Austin L.
                                                                                                                                                                          Kljavin, Ivar J.
                                                                                                                                                                                                           Napier, Mary A.
                                   QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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                                                                                                                                                                                                                                                                                                                                                                Sequence 208, Application US/09910689
Fatent No. US2002001609A1
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
APPLICANT: Day, Craig H.
APPLICANT: Day, Craig H.
APPLICANT: Houghton, Raymond L.
APPLICANT: Mitcham, Jennifer
APPLICANT: Mang, Tongtong
APPLICANT: Dillogong
APPLICANT: Mang, Tongtong
APPLICANT: Dillogong
APPLICANT: Dillogong
APPLICANT: Mang, Tongtong
APPLICANT: Ma
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                                                                                                                                   241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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100.0%; Pred. No. 2.7e-112;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 100.
Best Local Similarity 100.
Matches 282; Conservative
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ORGANISM: Homo sapiens
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US-09-989-731-291
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PRIOR PRILOR DATE: 11998-06-20
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PRIOR PELLICATION NUMBER: 60/090472
PRIOR PELLING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/090542
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PRIOR PELLING DATE: 1998-06-24
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PRIOR PELLING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/09163
PRIOR PELLING DATE: 1998-07-02
PRIOR PELLING DATE: 1998-07-07

Query Match

Query Match

Best Local Similarity 100.0%; Pred. No. 2.7e-112;

Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps

1 MASLGQILFWSIISIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

RESULT 10 US-09-884-441-393 ; Sequence 393, Application US/09884441

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CURRENT PEDLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR PELING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR PELING DATE: 1997-11-12
PRIOR PELING DATE: 1997-11-12
PRIOR PELING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/065311
PRIOR PELING DATE: 1997-11-24
PRIOR PILING DATE: 1998-03-20
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PRIOR APPLICATION NUMBER: 60/06670
PRIOR PELING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/08100
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PRIOR APPLICATION NUMBER: 60/08100
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PRIOR APPLICATION NUMBER: 60/08100
PRIOR PELING DATE: 1998-04-28
PRIOR APPLICATION NUMBER: 60/08100
PRIOR PELING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/08100
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PRIOR APPLICATION NUMBER: 60/08102
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R APPLICATION NUMBER: 60/088167
R FILING DATE: 1998-06-05
R PILING DATE: 1998-06-05
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R APPLICATION NUMBER: 60/088212
R FILING DATE: 1998-06-05
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FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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APPLICATION NUMBER: 60/088738
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FILING DATE: 1998-06-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                           APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: LORGENOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REPERENCE: 210121.462C7
CURRENT APPLICATION NUMBER: US/09/884,441
CURRENT FILING DATE: 2001-06-18
NUMBER OF SEQ ID NOS: 489
SEPTHARE: FastSEQ for Windows Version 3.0
SEPTHARE: PastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Score 1431; DB 9; Length 282; 100.0%; Pred. No. 2.7e-112; ive 0; Mismatches 0; Indels 0
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Patent No. US20020123463A1
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Williams, P. Mickey
Wood, William I.
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Fong, Sherman
Gerber, Hanspeter
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Paoni,Nicholas F.
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Goddard, Audrey
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GENERAL INFORMATION:
APPLICANT: Algate, Paul A.
APPLICANT: Carter Programment
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Best Local Similarity 100.
Matches 282; Conservative
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: PRT
ORGANISM: Homo sapiens
US-09-884-441-393
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R APPLICATION NUMBER: 6/089514
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R APPLICATION NUMBER: 60/089538
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R APPLICATION NUMBER: 60/089600

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089653

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089901

R FILING DATE: 1998-06-18

R APPLICATION NUMBER: 60/089907

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APPLICATION UNMERE: 60/089105
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APPLICATION NUMBER: 60/090429
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APPLICATION NUMBER: 60/090445
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APPLICATION NUMBER: 60/090535
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APPLICATION NUMBER: 60/090542
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APPLICATION NUMBER: 60/089948
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APPLICATION NUMBER: 60/089952
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APPLICATION NUMBER: 60/090694
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APPLICATION NUMBER: 60/090695
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PRIOR APPLICATION NUMBER: 60/090863
PRIOR APPLICATION NUMBER: 60/090863
PRIOR FLING DATE: 1998-06-26
PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR PELING DATE: 1998-07-02
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PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07
PRIOR PELING DATE: 1998-07-07 Sequence 291, Application US/09991073 Patent No. US20020127576A1 GENERAL INFORMATION: APPLICATION NUMBER: 60/091982 FILING DATE: 1998-07-07 PRIOR APPLICATION NUMBER: 60/092182 PRIOR FILING DATE: 1998-07-09 Grimaldi, J. Christopher 100.0%; 1998-06-25 Ferrara, Napoleone Gerber, Hanspeter Gerritsen, Mary E Gurney, Austin L. Query Match
Best Local Similarity 100.
Matches 282; Conservative APPLICANT: Ashkenazi, Avi J Kljavin, Ivar J Botstein, David Napier, Mary A. Baker, Kevin P. Goddard, Audre) Desnoyers, Luc Eaton, Dan L. Fong, Sherman Рап, Јашев 121 181 241 241 APPLICANT: APPLICANT: APPLICANT: APPLICANT: 셤 à

Paoni, Nicholas

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R FILING DATE: 1998-06-11

R APPLICATION NUMBER: 60/089105

R FILING DATE: 1998-06-12

R APPLICATION NUMBER: 60/089440

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R APPLICATION NUMBER: 60/089512

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APPLICATION NUMBER: 60/090445
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APPLICATION NUMBER: 60/089599
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APPLICATION UNDRER: 60/090435
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APPLICATION NUMBER: 60/090444
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APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/090540
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FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/090429
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                             APPLICATION NUMBER: 60/088810
Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
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PRIOR FILING DATE: 1998-05-28
PRIOR FILING DATE: 1998-06-02
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APPLICATION NUMBER: 60/088033
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100.0%; Pred. No. 2.7e-112;
ive 0; Mismatches 0;
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Patent No. US20020132252A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P.
APPLICANT: Batein, David
APPLICANT: Eaton, Dan L.
APPLICANT: Faton, Dan L.
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
                                                                                      R FILING DATE: 1998-06-25

R APPLICATION NUMBER: 60/090694

R FILING DATE: 1998-06-25

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## FILING DATE: 1998-06-10

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## APPLICATION NUMBER: 60/089213

## PILING DATE: 1998-06-19

## APPLICATION NUMBER: 60/090325

## PILING DATE: 1998-06-22

## APPLICATION NUMBER: 60/090325

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APPLICATION UNMBER: 60/090435
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090444
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FILING DATE: 1998-06-09
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APPLICATION NUMBER: 60/090472
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61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 181 WASQVDQGANFSEVSNTSFELNSENVTWKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
181 WASQVDQGANFSEVSNTSFELNSENVTWKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP Gaps ö Ouery Match 100.0%; Score 1431; DB 9; Length 282; Best Local Similarity 100.0%; Pred. No. 2.7e-112; Matches 282; Conservative 0; Mismatches 0; Indels 0; PRIOR FILING DATE: 1998-06-24
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PRIOR APPLICATION NUMBER: 60/090540
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PRIOR PILING DATE: 1998-06-25
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PRIOR PAPLICATION NUMBER: 60/090690
PRIOR PILING DATE: 1998-06-25
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PRIOR PELING DATE: 1998-07-01
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PRIOR PILING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-07
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Sequence 291, Application US/09991163 Patent No. US20020132253A1

RESULT 14 US-09-991-163-291

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PRIOR
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CURRENT APPLICATION WUMBER: 06/06250
FRIOR APPLICATION WUMBER: 60/06250
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FRIOR APPLICATION WUMBER: 60/08705
FRIOR FILING DATE: 1998-06-06
FRIOR FILING DATE: 1998-06-06-09
FRIOR 
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APPLICATION NUMBER: 60/088326
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Gurney, Austin L.
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Stewart, Timothy A.
Tumas, Daniel
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Gerritsen, Mary E.
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APPLICANT: Ashkenazi, Avi J
APPLICANT: Baker, Kevin P.
                                                                     Botstein, David
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Eaton, Dan L.
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R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089599
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R APPLICATION NUMBER: 60/089600
R FILING DATE: 1998-06-17
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R APPLICATION NUMBER: 60/089908
R APPLICATION NUMBER: 60/089908
R FILING DATE: 1998-06-18
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APPLICATION NUMBER: 60/090429
FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/088876
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PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088202
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PRIOR FILING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088217
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FILING DATE: 1998-06-09
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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APPLICATION NUMBER: 60/089105
FILING DATE: 1998-06-12
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FILING DATE: 1998-06-16
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APPLICATION NUMBER: 60/089538
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APPLICATION NUMBER: 60/090252
FILING DATE: 1998-06-22
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090349
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FILING DATE: 1998-06-10
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FILING DATE: 1998-06-10
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APPLICANT: ANOGY, MILLIAM 1.

APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
TITLE OF INVENTION: Acids Encoding the Same
FILE REPERENCE: P2730PLC25
CURRENT PILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/062260
PRIOR PILING DATE: 1997-06-16
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PRIOR PELING DATE: 1998-02-25
PRIOR PELING DATE: 1998-03-20
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PRIOR PELING DATE: 1998-05-07
PRIOR PELING DATE: 1998-06-08
PRIOR PELING DATE: 1998-06-08
PRIOR PELING DATE: 1998-06-02
Sequence 291, Application US/09993604
Patent No. US20020137075A1
GENERAL INFORMATION:
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APPLICATION NUMBER: 60/088026
FILING DATE: 1998-06-04
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PRIOR PILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
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Grimaldi,J.Christopher
Gurney,Austin L.
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Ferrara, Napoleone
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Paoni, Nicholas F.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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100.0%; Pred. No. 2.7e-112;
ive 0; Mismatches 0;
                   R FILING DATE: 1998-06-24

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R APPLICATION NUMBER: 60/090444

R APPLICATION NUMBER: 60/090445

R APPLICATION NUMBER: 60/090445

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Best Local Similarity 100.
Matches 282; Conservative
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R APPLICATION NUMBER: 60/088202

R RILING DATE: 1998-06-05

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R FILING DATE: 1998-06-11

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RAPLICATION NUMBER: 60/090696

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RAPLICATION NUMBER: 60/090863

RAPLICATION NUMBER: 60/091360

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RILING DATE: 1998-07-01

RAPLICATION NUMBER: 60/091478

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RAPLICATION NUMBER: 60/091478

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PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091626
PRIOR FILING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091633
PRIOR FILING DATE: 1998-07-02 PILING DATE: 1998-07-07
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09 LING DATE: 1998-06-22 PLICATION NUMBER: 60/090254 LING DATE: 1998-06-22 APPLICATION NUMBER: 60/090690 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090694 FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090355 FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090678 FILING DATE: 1998-06-25 PRIOR APPLICATION NUMBER: 60/091978 PRIOR FILING DATE: 1998-07-07

DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

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1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

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Query Match 100.0%; Score 1431; DB 9; Best Local Similarity 100.0%; Pred. No. 2.7e-112; Matches 282; Conservative 0; Mismatches 0;

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ABR66245 ABR65635 ABU99575 ABU58057

ABU59135 ABU82647

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ENTS	eptide; LDL receptor; TIE ligand; n; gene mapping:	
ALIGNMENTS	T 1 719 AAY66719 standard; protein; 282 AA. AAY66719; 05-APR-2000 (first entry) Membrane-bound protein PRO1291. Membrane-bound polypeptide; PRO polypeptide; pharmaceutical; receptor immunoadhesin; gene Homo sapiens.	99WO-US012252. 98US-0087607P. 98US-0087609P. 98US-008759P. 98US-0088021P. 98US-0088028P. 98US-0088028P. 98US-0088028P. 98US-0088028P. 98US-0088028P. 98US-0088028P. 98US-0088028P. 98US-008811P. 98US-0088712P. 98US-0088712P. 98US-0088712P. 98US-0088712P. 98US-0088712P. 98US-0088713P. 98US-0088713P. 98US-0088714P. 98US-0088714P. 98US-0088714P. 98US-0088714P.
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# (GETH ) GENENTECH INC

Smith V, Gurney AL, Goddard A, Chen J, Yuan J; Baker K, Wood WI,

WPI; 2000-072883/06. N-PSDB; AAZ65059.

Membrane-bound proteins and related nucleotide sequences Claim 12; Fig 208; 822pp; English. The invention provides membrane-bound PRO polypeptides and polymudleotides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE cliquads and various enzymes. The membrane-bound proteins and receptor ingundancial as pharmaceutical and diagnostic agents. Receptor complexing, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be employed for screening of potential peptide or small molecule inhibitors of the relevant receptor/ligand interaction. The PRO encoding sequences of the generation of antisense RNA and DNA. PRO nucleic acid sequences also be useful for the preparation of PRO polypeptides, especially by recombinant techniques

## Sequence 282 AA;

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                 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKOVV
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DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
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                                                                                                                                                                                                                                                                                                                                                                         Human ovarian carcinoma antigen O8E protein SEQ ID NO:393
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ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                   AAB12557 standard; protein; 282 AA
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61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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2000US-0194647P.
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2000US-0196000P.
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                                                                                                                                                                                                                                                                                                                                                                                                                 Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention. The PRO polypeptides and their associated nucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNF) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation of defermine the presence of tumours and also proteins can be used to determine the presence of tumours and also be used to tumour development, particularly adrenal, lung, colon, breast
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 breast, prostate, rectal, cervical, or liver tumours, in mammalian
subjects. The oligonucleotide probes specific for the PRO nucleic acids
can be used for genetic analysis of individuals with genetic disorders
                                                                                                                                                                                                                                                                                                                                       and
                                                                                                                                                                                                               Gurney AL;
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                                                                                                                                                                                                                                                                                                               Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals screen for modulators of the compounds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     100.0%; Score 1431; DB 4;
100.0%; Pred. No. 5.6e-118;
iive 0; Mismatches 0;
                                                                                                                                                                                                        Desnoyers L, Goddard A, Go
atanabe CK, Wood WI, Zhang
                                                                                                                                                                                                                                                                                                                                                                                      Claim 11; Fig 218; 774pp; English.
                                                                                                                                                                                                                            Watanabe CK,
30-MAY-2000; 2000WO-US014941.
02-UIN-2000; 2000WO-US015264.
05-UIN-2000; 2000WO-US032P.
28-UIL-2000; 2000WO-US020710.
22-AUG-2000; 2000US-00644848.
                                                                                   24-AUG-2000, 2000WO-US023328
08-NOV-2000, 2000WO-US030952
01-DEC-2000, 2000WO-US032678
20-DEC-2000, 2000WO-US034956
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                                                                                                                                                                          (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                              WPI; 2001-602746/68.
                                                                                                                                                                                                           Chen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 282; Conserv
                                                                                                                                                                                                                               Smith V,
                                                                                                                                                                                                                                                                                  N-PSDB; AAS46033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 282 AA;
                                                                                                                                                                                                             Baker KP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              61
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ID AAB8
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AC AAB8
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four nucleic acids encoding PRO polypeptides, useful in molecular, including use as hybridization probes, and in chromosome and

PJ.

Godowski

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Goddard Wood WI;

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Gerritsen l Watanabe

Filvaroff Gurney

99US-0169495P.

PRO protein; mapping

2000US-0175481P 2000WO-US004341 2000WO-US004342 2000WO-US005601

2000WO-US004414 2000US-0187202P. 2000US-0191007P. 2000WO-US008439 2000US-0199397P

2000WO-US014042 2000US-0209832P

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The present sequence is a human PRO polypeptide (secreted and transmembrane). The PRO protein, and PRO agonists, PRO antagonists or anti-PRO antibodies are useful for preparation of a medicament useful in the treatment of a condition which is responsive to the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO protein may also be employed as molecular weight markers for protein electrophoresis. The PRO coding sequence has applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1431; DB 4;
Pred. No. 5.6e-118;
; Mismatches 0;
Claim 12; Fig 60; 278pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0;
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
100.0%;
Best Local Similarity 100.0%;
Matches 282; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                 Sequence 282 AA;
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AAB87555 standard; protein; 282

AAB87555

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PRO polynuclectides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.
                                                                                                                                                                                                                                                    secreted and transmembrane protein, PRO, cytostatic, cell death, chromosomal mapping; gene mapping; tissue typing;
                    181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
     181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
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Godowski P
Paoni NF;
Wood WI;
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Berzara N, Fong S, Gerber H, Gerriteen ME, Goddard A,
Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J,
ROY MA, Stewart TA, Tumas D, Watanabe CK, Williams PM,
                                                                       TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                         TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                            Human PRO1291 (UNQ659) protein sequence SEQ ID NO:291.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 12; Fig 208; 935pp; English
                                                                                                                                                AAB65242 standard; protein; 282
                                                                                                                                                                                                                                                                                                                                                                                                               99WO-US012252.
99US-0141037P.
99US-0144758P.
99US-0144758P.
99US-0146222P.
99US-01463396P.
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99US-0158663P.
99WO-US028313.
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2000WO-US003565.
2000WO-US004341.
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99WO-US030095
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2000WO-US005004
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                                                                                                                                                                                                                                                       Human; secreted and
                                                                                                                                                                                                                                                                                 diagnostic assay.
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06-JAN-2000;
11-FEB-2000;
18-FEB-2000;
22-FEB-2000;
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24-FEB-2000;
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30-NOV-1999
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                                                                                                                                      AAB65242
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The present invention relates to human breast tumour protein coding sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-AAH55762). The breast tumour protein DNA sequences may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the breast tumour protein e.g. breast cancer. The present sequence is a human ovarian tumour-derived antigen, which was used in an example from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                                                                                     Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Breast tumor polypeptides and the nucleic acids that encode them, useful for the prevention, diagnosis and treatment of breast cancer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Houghton RL, Mitcham JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                          TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                         TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Score 1431; DB 4;
100.0%; Pred. No. 5.6e-118;
ive 0; Mismatches 0;
                                                                                                                                                                                                               Human ovarian tumour-derived antigen O8E #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 3; Page 190; 221pp; English.
                                                                                                                                 AAB99204 standard; protein; 282 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Jiang Y,
                                                                                                                                                                                                                                                                                                                                                                                   30-NOV-1999; 99US-00451651.
22-FEB-2000; 2000US-00510662.
10-MAR-2000; 2000US-0053586.
07-APR-2000; 2000US-00545068.
15-MAY-2000; 2000US-00571025.
                                                                                                                                                                                                                                                                                                                                                           29-NOV-2000; 2000WO-US032520
                                                                                                                                                                                       (first entry)
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Best Local Similarity 100.
Matches 282; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 282 AA;
                                                                                                                                                                                                                                                                                                        WO200140269-A2.
                                                                                                                                                                                                                                                   antigen; O8E
                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                  07-JUN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Dillon DC,
                                                                                                                                                           AAB99204;
                                          241
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The present invention describes human secreted and transmembrane PRO proteins. The PRO proteins have cytostatic activity. The PRO proteins be used for targeted delivery of bioactive molecules, such as toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide sequences, and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF4470 to APF4470 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAF44687 to AAF464530 represent human PRO sequences. AAF44687 to AAF46530 represent human PRO sequences.
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Sequence 282 AA;

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240
                                                                                                                DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                                                                                                                             QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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                                                                                                                                                                                                                             WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                                                                                                             WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                        1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                  1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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                             Indels
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                                                                                                                                                                                                                                                                                  TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
100.0%; Score 1431; DB 4; 100.0%; Pred. No. 5.6e-118;
                            Mismatches
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Matches 282; Conserv
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AAE20311 standard; protein; 282 (first entry) Human B7-H8 protein #1. 18-JUN-2002 AAE20311; RESULT 7 AAE2031 

Human; B7-like protein; inflammation; tissue damage; immune disorder; Addison's disease; autoimmune haemolytic anaemia; autoimmune thyroiditis; diabetes mellitus, Crohn's disease; multiple solerosis; allergy; cancer; rheumatoid arthritis; cardiovascular disorder; nervous system disorder; myocardial ischammia; ulcerative colitis; reproductive system disorder; Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis; diabetes mellitus, Grave's disease; Paget's disease; liver disorder; gastrointestinal disorder; irritable bowel syndrome; cerebral anoxia; dysphagia; hepatomegaly; neurological disease; infectious disease; epilepsy; gene therapy; B7-H8 protein; chromosome 1.

Homo sapiens

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/note= "Mature B7-H8 protein"
                 1. .24
/label= Signal_peptide
Location/Qualifiers
            Peptide
                                           Protein
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WO200202587-A1

29-JUN-2001; 2001WO-US020917 10-JAN-2002 

30-JUN-2000; 2000US-0215135P. 14-AUG-2000; 2000US-0225266P.

(HUMA-) HUMAN GENOME SCI INC

Ruben SM; Fiscella M, Ni J,

WPI; 2002-257198/30. N-PSDB; AAD32519.

d nucleic acids encoding human B7-like polypeptides, useful for is and treatment of e.g. inflammation, cancer, immune disorders Addison's disease, and cardiovascular disorders such as diagnosis and treatment of such as Addison's disease, nyocardial ischemias. solated

Example 1; Fig 1; 493pp; English.

The present invention relates to novel human B7-like polypeptides and polymucleotides encoding such proteins. Sequences of the invention are polymucleotides and polypeptides are administered consed for preventing, treating or ameliorating a medical condition in a mammalian subject. The polymucleotides and polypeptides are administered to subjects having a disorder related to B-7 Like polypeptides, such as considered to imappropriate or excessive inflammation is brought about by the activation of certain cells in the body e.g. T cells and may involve disorders.

CC certain cells in the body e.g. T cells and may involve disorders of certain cells in the body e.g. T cells and may involve disorders.

CC certain cells in the body e.g. T cells and may involve disorders.

CC certain and prevention of cancer (e.g. cancers of the adrenal gland, agonists and antagonists of cancer (e.g. cancers of the diagnosis, treatment and prevention of cancer (e.g. cancers of the adrenal gland, colons, bone marrow, breast, gastrointestinal tract, liver, urogenital or lung), immune disorders (e.g., Addison's disease, allergies, autoimmune thyroiditis, diabetes mellitus, carve's disease, inclusion's disease, autoimmune disorders (e.g., myocardial ischaemias), nervous system disorders (e.g., diabetes mellitus, Grave's disease), reproductive system disorders (e.g., diabetes mellitus, Grave's disease), reproductive system disorders (e.g., cryptorchism, Paget's disease), gastrointestinal disorders (e.g., dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatomegaly), neurological diseases (e.g., cerebral anoxia and epilepsy) and infectious. Sequences such as viral, bacterial, fungal and parasitic infections. Sequence is human B7-H8 protein. B7-H8 gene is located on

Sequence 282 AA;

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                                                                                           MASLGQILFWSIISIIIIIAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                              DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                     QLTDAGTYKCY11TSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                        WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                         Gaps
                                       ;
0
 Length 282;
                                     Indels
Query Match 100.0%; Score 1431; DB 5; Best Local Similarity 100.0%; Pred. No. 5.6e-118; Matches 282; Conservative 0; Mismatches 0;
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240

181 WASQVDQGANFSEVSNTSFELNSENVTWKVVSVLYNVTINNTYSCMIENDIAKATGDIKV

241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK

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The present invention relates to a new method for assessing whether a patient is afflicted with ovarian cancer. The method involves comparing the expression level of a marker in a patient sample and the normal level of expression of the marker in a control non-ovarian cancer sample, where the marker is selected from 363 cancer markers described in the specification. The method of the invention is useful in diagnosing or characterising cancer, in detecting the presence of cancer as early as possible, and the recurrence of ovarian cancer. The method may also be of particular use with patients having an enhanced risk of developing ovarian cancer (e.g. patients having a familial history of ovarian cancer). The cancer markers may be used in the management and treatment of e.g. brain and central nervous system disorders (e.g. bacterial and viral meningitis, Altheimer's disease or Parkinson's disease), brain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   disorders (e.g. cerebral oedema, hydrocephalus or brain herniations), inflammations (e.g. bacterial or viral meningitis or encephalitis), testicular disorders (e.g. nontuberculous granulomatous orchitis), connective tissue disorders, or heart disorders (e.g. ischaemic heart disease or atherosclerosis). The compositions and methods may also be used in assessing the histological type of neoplasm associated with ovarian cancer, monitoring the progression of ovarian cancer, determining whether ovarian cancer has metastasized or is likely to metastasize, selecting a composition for inhibiting ovarian cancer, assessing the
                                                                                                                                                                                                              Human; ovarian cancer; marker; cancer; familial history; brain disorder; central nervous system disorder; bacterial meningitis; viral meningitis; Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus; brain herniation; inflammation; encephalitis; testicular disorder; nontuberculous granulomatous orfolitis; connective tissue disorder; heart disorder; ischaemic bact disease; atherosclerosis; neoplasm; histological type; carcinogenic; ovarian cancer marker.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Assessing whether a patient is afflicted with ovarian cancer, useful in assessing the stage or progression of the disease, comprises comparing the expression level of a cancer marker in a sample from a patient and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Kovatis SG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4, Hoersch S, Kamatkar S, Kov
Olandt PJ, Sen A, Vieby PO,
RE, Zhao X, Glatt K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 468-469; 481pp; English.
                                        ABG96445 standard; protein; 282 AA
                                                                                                                                                                       Human ovarian cancer marker OV88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Monahan JE, Gannava...
Meyers RE, Morrisey MP, Olan
T., K, Schmandt RE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-MAR-2001; 2001US-0276026P.
10-AUG-2001; 2001US-0311732P.
19-SEP-2001; 2001US-0323580P.
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26-SEP-2001; 2001US-0325102P.
26-SEP-2001; 2001US-0325149P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-MAR-2002; 2002WO-US007826
                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                from a non cancer patient
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                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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                                                                                                                            11-DEC-2002
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                                                                                 ABG96445;
RESULT 8
                  ABG96445
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/label= Mature_TAT136
/note= "Tumour associated antigenic target polypeptide"
ovarian carcinogenic potential of a compound, or inhibiting ovarian cancer or at risk of developing ovarian cancer. The present amino acid sequence represents one of the ovarian cancer markers described in the
                                                                                                                                                                 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                                                                                        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                          181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                                                                     DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
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                                                                                                                                                 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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breast cancer; colorectal cancer; lung cancer; ovarian cancer;
central nervous system cancer; liver cancer; bladder cancer;
                                                                                             Length 282;
                                                                                                                      Indels
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                                                                                           100.0%; Score 1431; DB 5;
100.0%; Pred. No. 5.6e-118;
iive 0; Mismatches 0;
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|label= N-myristoylation_site
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|/label= N-myristoylation_site
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| Tabel = N-glycosylation_site
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/label= N-glycosylation_site
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| label= N-glycosylation_site
| 196. 200
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205. .209
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/label= Signal_peptide
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                                                                                                                       Conservative
                                                                                                         Similarity
                                                                  Sequence 282 AA;
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                                                                                                                    282;
                                           invention
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                                                                                           Query Match
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                                                                                                           Best Local
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RESULT 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel isolated antibody which binds to tumor-associated antigenic target polypeptide useful for killing cancer cells expressing the polypeptide and for treating tumor comprising cells that expresses the polypeptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              identity to the TAT polypeptide sequence in a sample suspected of containing the polypeptide; diagnosing the presence of a tumour in ammal, and for antibody dependent enzyme mediated prodrug therapy (ADBPT). This is the amino acid sequence of the tumour associated antigenic target polypeptide (TAT) 136, described in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Smith V, Soriano R, Williams PM;
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216. .220 /label= N-glycosylation_site 220. .224 /label= N-glycosylation_site /label= N-glycosylation_site
                                                                                                                     258. .282 - - - - - - - - - - - - / label= Transmembrane_domain
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                                                                                                                                                                                                                                                                                                                                                                                          24-AUG-2000; 2000WO-US023328.
28-FEB-2001; 2001WO-US006520.
22-JUN-2001; 2001US-00888257.
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Zhang Z;
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Best Local Similarity 100.
Matches 282; Conservative
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N-PSDB; ABX11744.
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Human, secreted protein, transmembrane protein, antirheumatic,
antiarthritic, osteopathic, sports-related joint problem,
articular cartilage defect, osteoarthritis, rheumatoid arthritis.
                                                Human secreted/transmembrane protein PRO1291.
ABG95880 standard; protein; 282 AA.
                                                                                                                                                               97US-0063435P.
97US-0064215P.
98US-0083297P.
98US-0085579P.
98US-008021P.
98US-0088021P.
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98US-009064BP.
98US-009069BP.
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98US-0102570P.
98US-0103449P.
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                               (first entry)
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                                                                                                                                                06-DEC-2001;
                                                                                                 Homo sapiens
                               10-DEC-2002
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               ABG95880;
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The invention relates to an isolated secreted and transmembrane known probypeptide having 80 % sequence dentity to a sequence appearing as ABG95851-ABG95934 or their associated signal peptide. Or a sequence of an extracellular domain of the proteins with thehar associated signal peptide or lacking its associated signal peptide. Also included are the nucleic acids encoding the proteins, vectors, host cells, fusion proteins and antibodies which specifically bind to the proteins. The proteins are calcusting the polypeptide designated as A, B, C or D in a sample supported formation of a A/E, B/G, H or I (or vice versa) and determining the formation of a A/E, B/G, H or I (or vice versa) and determining the formation of a A/E, B/G, C/H or D/I polypeptide sample where the formation of the conjugate is conjugate in the sample, where the formation of the conjugate is and determining the formation of a A/E, B/C, C/H or D/I polypeptide conjugate in the sample, where the formation of the conjugate is conjugate in the sample, where the formation of the conjugate is a RR010372 polypeptide, B is a RR02010 polypeptide, C is a RR01005 polypeptide, B is a RR02010 polypeptide, C is a RR01005 polypeptide, F is a PR01970 polypeptide. The sample comprises of PR020233 polypeptide and I is a RR01850 polypeptide. The sample comprises a cell suspected of expressing the A, B, C or D polypeptide. The E, F, G, H or I The bjoactive molecule is a toxin, a radiolabel or is attached to a solid support. The proteins are useful for inhigh a bioactive molecule causes death of the proteins are useful for cattivity of a cell expressing a polypeptide designated as A, B, C or D or E, F, G, H, or I. The cell is killed. The proteins are useful for cattivity of a cell expressing a polypeptide designated as A, B, C or D or E, F, G, H, or I. The cell is killed. The proteins are useful for the cell setting as molecular weight markers for protein electrophoresis or the preparation of a medicament cuefully a molecule carticular sarticular cartilises of cell 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New isolated secreted and transmembrane PRO polypeptide useful for modulating biological activity of a cell, or for treating sports-related joint problems, osteoarthritis or rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to an isolated secreted and transmembrane PRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       arthritis. Nucleic acids encoding the proteins are useful as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goddard A,
Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gerritsen ME,
Watanabe CK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 20; Fig 60; 399pp; English.
99WO-US005028.
99WO-US010733.
99WO-US012252.
99WO-US020111.
99WO-US021090.
                                                                                                99WO-US021194
99WO-US030720
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2000WO-US023522.
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2000WO-US034956.
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2001WO-US017443.
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09-JUL-2001; 2001WO-US021735
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N-PSDB; ABS74407.
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30-MAR-2000;
22-MAY-2000;
02-JUN-2000;
23-AUG-2000;
                                                        01-SEP-1999;
15-SEP-1999;
15-SEP-1999;
22-DEC-1999;
18-PEB-2000;
                                                                                                                                                                                                                                                                                            24-AUG-2000;
10-NOV-2000;
                                                                                                                                                                                                                                                                                                                                                                                         01-MAR-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                01-JUN-2001;
                                                                                                                                                                                                                                                                                                                                                     20-DEC-2000;
                                                                                                                                                           18-FEB-2000;
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Godowski PJ;

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hybridisation probes, in chromosome and gene mapping, in the generation of anti-sense RNA and DNA, for the preparation of the proteins, to generate transgenic or knockout animals which are useful in the development and screening of therapeutic useful reagents, for chromosome identification, and in gene therapeut the antibody is useful as a letter protein generate adaptore is a and for affinity purification of the protein from recombinant cell culture natural sources. The present sequence represents a novel secreted or transmembrane protein of the
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                                                                                                                                                                                                                                              MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                                                                                                                                                                                                                                                                                    DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
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                                                                                                                                                                      Length 282;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tumour-associated antigenic target protein, TAT136
                                                                                                                                                                      Query Match 100.0%; Score 1431; DB 5; Best Local Similarity 100.0%; Pred. No. 5.6e-118; Matches 282; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "N-myristoylation site" | 112. .116
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "Asn is N-glycosylated"
126. 132
/note= "N-myristoylation site"
160. 164
/note= "Asn is N-glycosylated"
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/note= "Asn is N-glycosylated"
196. .200
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/note= "Signal sequence"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
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                                                                                                                                             Sequence 282 AA;
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Peptide
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The invention relates to an isolated tumour-associated antigenic target polypeptide (TAT) (1), specifically TAT134-TAT138 polypeptides, and the CO polymolectides (II) specifically TAT134-TAT138 polypeptides, and the CO presence of a tumour in a mammal, where the level of expression of (II) is indicative on the presence of tumour in the mammal from which the test cample and antibody to (I) is useful for Killing a cancer cell (II) and cancer cell, a lung cancer cell, an ovarian cancer cell, a contral nervous system (CNS) cancer cell, a lander cancer cell, a lander cancer cell, a bladder cancer call, a paracreatic cancer cell, a contral nervous system (CNS) cancer cell, a contral nervous system (CNS) cancer cell, a contral cancer cell, a lung cancer cell, a contral cancer cell, a lander cancer cell, a provided probes of for encoding fragments of (II) oligonucleotides of (II) are useful as diagnostic probes, antisens oligonucleotide probes or for encoding fragments of full length TAT colypeptides or for encoding fragments of full length TAT colypeptides for mapping the gene encoding TAT and for genetic canalysis of individuals with genetic disorders. (II) is also useful for therapy. The TAT polypeptides and nucleic acids may also be used for therapy. The TAT polypeptides and nucleic acids may also be used for therapy. The TAT polypeptides are useful for screening compounds that mimic the TAT polypeptide are useful for screening compounds that mimic the TAT polypeptides are useful for screening compounds that mimic the TAT polypeptide are useful for screening compounds colypeptide from cells, for detection and quantitation of TAT polypeptide colypeptide (TAT polypeptides are also was a stading TAT polypeptides are also was a stading TAT polypeptides are also was a stading the TAT polypeptides are also was a stading than the paracreating cancers, purifying or immunoprecipitating TAT polypeptides are also was a stading TAT polypeptides are also was a stading than the paracreating cancers purifying or immunoprecipitati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel isolated tumor-associated antigenic target polypeptides which are useful as targets for cancer therapy and diagnosis in mammals.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Western blot. The antibodies are also useful for treating a TAT-expressing cancer or alleviating one or more symptoms of cancer in mammal. The present sequence represents the amino acid sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Polakis P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gurney AL, Hillan KJ,
05. .209
note= "Asn is N-glycosylated"
:16. .220
                                                                 'note= "Asn is N-glycosylated"
                                                                                                                                                               /note= "Transmembrane domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 12; Fig 8; 121pp; English.
                                                                                                                 note= "Asn is
58. .281
                                                                                                                                                                                                                                                                                                                                                                  26-SEP-2000; 2000US-0235451P.
01-DEC-2000; 2000WO-US032678.
28-FEB-2001; 2001WO-US006520.
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                                                                                         . 224
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (GETH ) GENENTECH INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Goddard A, Godom
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                                                                                                                                                                                                          WO200216429-A2
Modified-site
                                                                                      Modified-site
                                           Modified-site
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                                                                                                                                                                                                                                                                                                                                                 24-AUG-2000;
                                                                                                                                                                                                                                                        28-FEB-2002
                                                                                                                                       Domain
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61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

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240
                                                     121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRIAVFADOVIVGNASLRLKNV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention relates to polypeptides comprising an immunogenic portion of an ovarian carcinoma protein which acts as an immunostimulant and is cytostatic. The polypeptides, polypucleotides, antibodies, fusion proteins, T cell populations and antigen presenting cells that express the polypeptides are useful for stimulating an immune response in a
                                                                                     WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ovarian carcinoma
                          QLTDAGTYKCY11TSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Polypeptides comprising an immunogenic portion of an ovarian carcinoma protein or its variants, useful for stimulating an immune response in patient and treating ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               and treating ovarian cancer. This sequence represents protein to the invention
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                                                                                                                                                                                                                                                                                                                                                            Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.
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                                                                                                                                           241 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Pred. No. 5.6e-118;
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Carter D,
                                                                                                                                                                                                                                            ABP30901 standard; protein; 282
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2000US-00667857.
2001US-00827271.
2001US-00884441.
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Reed SG, Vedvick TS,
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Best Local Similarity
Matches 282; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
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18-JUN-2001;
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                      Query Match
Best Local Similarity 100.
Matches 282; Conservative
                                                                          Sequence 282 AA;
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                                                                                                                                                                                                                                                                                                                                                                           Human B7-like
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New BS265 proteins and nucleic acids, useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing, treating, or determining the predisposition of an individual to breast
                DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKAV
                                       QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                          WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                   WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
       DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is the protein sequence of human breast BS265 protein, as predicted from a BS265 expressed sequence tag clone (see ABL57354). The invention provides a set of contiguous and partially overlapping cDNA sequences (see ABL57345.63), designated as BS265 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gordon J;
Roberts-Rapp LA;
                                                                                                                                                                                                                                       human; breast; cancer; tumour; metastasis; diagnosis;
                                                                                                         TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                    TESEIKRRSHLOLLNSKASLCVSSFPAISWALLPLSPYLMLK 282
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Klass MR, Kratochvil JD,
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                                                                                                                                                                    ABB76274 standard; protein; 282
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KRATOCHVIL J D
ROBERTS-RAPP L
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Hodges S
Stroupe S
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HODGES S C.
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STROUPE S D.
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                                                                                                                                                                                                                                                                                                                                                                                           GORDON J.
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18-NOV-1998;
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(KLAS/)
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(RUSS/)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        120
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transcribed from breast tissue, and the polypeptides encoded by them. These are useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing, treating, or determining the predisposition of an individual to diseases and conditions of the breast, such as breast cancer. Also provided are antibodies which specifically bind to BS265 proteins, and agonists or inhibitors which prevent action of the proteins, and which are useful for treatment of breast disease, especially tumours and metastases
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                                                                                                                                                                                                                                                                                                                                                                                                                  Score 1431; DB 5;
Pred. No. 5.6e-118;
; Mismatches 0;
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/label= Human_mature_B7-L_protein
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/label= Signal_peptide
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Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.

Amino acid sequence of the OREO gene B).

(first entry)

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ABB09879 standard; protein; 282

ABB09879

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RESULT 15
                             ABB09879
                                                 The present invention relates to an isolated B7-like (B7-L) polypeptide and its polynucleotide. B7-l and its modulators are useful for treating reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L are useful for enhancing the immune response to tumours. B7-l plays of seminal vesicle hyperplasia in transgenic mice overexpressing B7-l. Modulators of B7-l are useful for the treatment of cancer e.g. seminal vesicle, lung, brain, breast, ovarian, testicular cancer and cancers of hematopoletic system. B7-l and their modulators are useful to treat autoimmune diseases such as systemic lupus erythematosis, rheumatoid carchitis, immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory brain, Grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              bone marrow and organ transplantation or to prolong graft survival.

Modulators of B7-L are also useful for diagnosis and treatment of
diseases involving abnormal cell proliferation, arteriosclerosis and
vascular restenosis. Soluble B7-L serves as vaccine adjuvants.

Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
allosemstissation due to blood transfusions, and for treatment of
multiple sclerosis, allergy, asthma and hypersensitivity reactions,
nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and
pemphisoid), andorinopathies, various pneumopathies, vasculopathies,
coeliac disease, anaemia, thromobocytopaenia, Guillain-Barre syndrome and
myasthenia gravis, and lymphoproliferative disorders such as multiple
mysthenia gravis, for isolating corresponding chromosomal B7-L genes in
diagnostic assays, for isolating corresponding diseases. The present
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                                                                                                                                                               Novel B7-like polypeptides, polynucleotides and their modulators useful for prevention and treatment of reproductive, immune and proliferative disorders, e.g. cancer, arteriosclerosis.
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                                                 Fang M;
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Matches 282; Conservative
                                         Sullivan JK,
                                                                                           2002-171639/22
(AMGE-) AMGEN INC.
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The OREO (Ople
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New polynucleotide and corresponding antigens from human ovarian cancer cells, useful for treatment and diagnosis of ovarian cancer.
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                                                                                        /note= "predicted transmembrane domain"
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100.0%; Pred. No. 5.6e-118;
iive 0; Mismatches 0;
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                                                                                                                                note= "predicted Ig domain"
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                                          Location/Qualifiers
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N-PSDB; ABL56582.
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Homo sapiens
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hes 282;
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TESEIKRRSHIQILNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282

WASOVDOGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV

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        61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVPADQVIVGNASIRLKRV 120

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        Db
        121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

        CP
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        QY
        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLXNVTINNTYSCMIENDIAKATGDIKV 240

        Db
        181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLXNVTINNTYSCMIENDIAKATGDIKV 240

        QY
        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282

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        241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282

        Search completed: April 19, 2005, 07:13:28

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RESULT 1
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1 MASLGQILFWSIISIIIILA.....SSFFAISWALLPLSPYLMLK 282
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1: /cgn2 6/ptodata/2/pubpaa/USO7 PUBCOMB.pep:*

2: /cgn2 6/ptodata/2/pubpaa/USO6 NEW PUB.pep:*

3: /cgn2 6/ptodata/2/pubpaa/USO6 NEW PUB.pep:*

4: /cgn2 6/ptodata/2/pubpaa/USO6 NEW PUB.pep:*

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8: /cgn2 6/ptodata/2/pubpaa/USO8 NEW PUB.pep:*

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/ptodata/2/pubpaa/US11_NEW_PUB.pep
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1421835 segs, 332370683 residues
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                                                                                                                 OM protein - protein search, using sw model
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Gapop 60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Word size :
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

	App	Appl	ppli	App	App	App	App	App	App	App	App	App	App
ធ្គ	208,	33,	8, Appl	291,	291,				291,				
Description	Sequence	Sequence 33, Appl	Sequence	Sequence	Sequence	Sequence	Sequence						
2	-320-208	-178-33	-065-8	-722-291	-723-291	-279-291	-727-291	-689-208	-731-291	-441-393	-732-291	-073-291	-442-291
OI OI	US-09-778-320-208	US-09-820	US-09-877	US-09-989	US-09-989	US-09-989	US-09-989	US-09-910	US-09-989-731-291	US-09-884	US-09-989	US-09-991	US-09-990-442-291
D <b>B</b>	6	σ	σ	σ	σ	Q	9	σ	Φ	σ	σ	9	σ
% Query Match Length DB	282	282	282	282	282	282	282	282	282	282	282	282	282
% Query Match	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Score	282	282	282	282	282	282	282	282	282	282	282	282	282
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US-09-778-320-208	-208
; Sequence 20	Sequence 208, Application US/09778320
, Patent No.	Patent No. US20010034052A1
GENERAL INFORMATION:	OKMATION:
, APPLICANT:	
; APPLICANT:	Day, Craig H.
, APPLICANT:	Jiang, rudiu
; APPLICANT:	Houghton, Raymond L.
; APPLICANT:	Mitcham, Jennifer
, APPLICANT:	Wang, Ton
, APPLICANT:	, Patricia D.
; TITLE OF INVENTION:	NVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE REPER	0121.491C5
CIRRENT AP	CHREEN APPLICATION NIMBER: US/09/778.320
CURRENT FI	CURRENT FILING DATE: 2001-02-06
, NUMBER OF	
; SOFTWARE:	FastSEQ for Windows Version 3.0
; SEQ ID NO 208	80
; LENGTH: 2	282
; TYPE: PRT	
; OKGANISM: HOMO US-09-778-320-208	HOMO Bapiens -208
Query Match	100.08;
Best Local Similarity	1 Similarity 100.0%; Pred. No. 2e-263; 2ps. Conservative 0. Mismatches 0. Indels 0. Cans
0y 1	MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Db 1	MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 60
Qy 61	DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
Db 61	DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

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US-09-877-065-8
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APPLICANT:
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QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
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                                                                                              WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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APPLICANT: Abbott Laboratories
APPLICANT: Abbott Laboratories
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Colipitts, Tracey L.
APPLICANT: Colipitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Friedman, Paula N.
APPLICANT: Granados, Edward N.
APPLICANT: Assell, John C.
APPLICANT: Assell, John C.
APPLICANT: Atase, Michael R.
APPLICANT: Klass, Michael R.
APPLICANT: Ratochvil, John D.
APPLICANT: Ratochvil, John D.
APPLICANT: Strouge, Stephen D.
APPLICANT: Strouge, Stephen D.
APPLICANT: Breatchvil, John D.
APPLICANT: Granomics, Strouge, Stephen D.
APPLICANT: Granomics, Stephen D.
APPLICANT: Granom
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100.0%; Pred. No. 2e-263;
ive 0; Mismatches 0;
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ORGANISM: Homo sapiens
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Best Local Similarity
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RESULT 3

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Sequence 8, Application US/09877065

Sequence 8, Application US/09877065

Patent No. US20020051990A1

GENERAL INFORMATION:

APPLICANT: OPLE, ERIC

APPLICANT: MCLACHLAN, KAREN

APPLICANT: HEARD, CHERYL J.

TITLE OF INVENTION: NOVEL GENE TARGETS AND LIGANDS THAT BIND THERETO FOR TITLE OF INVENTION: TRATTMENT AND DIAGNOSIS OF OVARIAN CARCINOMAS

FILE REFERENCE: 037003-0280631

CURRENT APPLICATION NUMBER: US/09/877,065

CURRENT APPLICATION NUMBER: 60/210,451

PRIOR FILING DATE: 2000-06-09

NUMBER: OS SEQ ID NOS: 14

SEQ ID NOS: 14

LENGTH: 282
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 100.0%; Score 282; DB 9;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-989-722-291
; Sequence 291, Application US/09989722
Patent No. US20020072067A1
; GENERAL INFORMATION:
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Stewart, Timothy
Tumas, Daniel
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Gerritsen, Mary E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Ashkenazi, Avi J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Baker, Kevin P.
Botstein, David
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Eaton, Dan L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Godowski, Paul
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ORGANISM: Homo sapiens
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R APPLICATION NUMBER: 60/090435

R APPLICATION NUMBER: 60/090435

R APPLICATION NUMBER: 60/090444

R APPLICATION NUMBER: 60/090445

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090472

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090545

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090540

R APPLICATION NUMBER: 60/090540
                                                         R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/08861
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/08876
R FILING DATE: 1998-06-11
R APPLICATION NUMBER: 60/089105
R FILING DATE: 1998-06-12
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PR APPLICATION NUMBER: 60/090246

PR FILING DATE: 1998-06-12

PR FILING DATE: 1998-06-22

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PR FILING DATE: 1998-06-24
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R APPLICATION NUMBER: 60/089653
R FILING DATE: 1998-06-17
R PAPLICATION NUMBER: 60/089801
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089907
R FILING DATE: 1998-06-18
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FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090676
PILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090678
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APPLICATION NUMBER: 60/089538
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598
FILING DATE: 1998-06-17
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FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089952
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APPLICATION NUMBER: 60/089512
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FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
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APPLICATION NUMBER: 60/089947
FILING DATE: 1998-06-19
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APPLICANT: Wood Williams P. Mickey
APPLICANT: Wood Williams P. Mickey
APPLICANT: Wood Williams Carried and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE STREAMER: 1979-1916-153
CHERRY PARCHATCH NUMBER: 06/0520
PRIOR PARLICATION WOMER: 06/0520
PRIOR
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same TITLE OF INVENTION: Acids Encoding the Same CURRENT ELLID STORTION: Acids Encoding the Same CURRENT FILID DATE: 2001-11-19

PRIOR APPLICATION NUMBER: 60/049787

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-10-17

PRIOR PILING DATE: 1997-11-12

PRIOR APPLICATION NUMBER: 60/065311

PRIOR PILING DATE: 1997-11-13

PRIOR PILING DATE: 1997-11-13

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PRIOR PILING DATE: 1997-11-13
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PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR FILING DATE: 1998-06-02
PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-03
PRIOR FILING DATE: 1998-06-04
PRIOR PLICATION NUMBER: 60/088021
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R FILING DATE: 1998-06-04
R APPLICATION NUMBER: 60/088033
R TILING DATE: 1998-06-04
R APPLICATION NUMBER: 60/088326
R FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088655
FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
FILING DATE: 1998-06-10
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FILING DATE: 1998-04-28
APPLICATION NUMBER: 60/084600
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APPLICATION NUMBER: 60/078910
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PRIOR FILING DATE: 1998-05-28
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APPLICATION NUMBER: 60/088028
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APPLICATION NUMBER: 60/087609
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APPLICATION NUMBER: 60/088029
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APPLICATION NUMBER: 60/088202
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APPLICATION NUMBER: 60/088212
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APPLICATION NUMBER: 60/088217
                                                                                                                                                                                                        Tumas, Daniel
Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                                       Roy, Margaret Ann
Stewart, Timothy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 1998-03-20
                                                                                                  Paoni, Nicholas F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE: 1998-05-07
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          Kljavin,Ivar J.
Napier,Mary A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASIRLKNV 120
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                                                      R APPLICATION NUMBER: 60/090695
R APPLICATION NUMBER: 60/090695
R APPLICATION NUMBER: 60/090696
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090862
R FILING DATE: 1998-06-26
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FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090694
FILING DATE: 1998-06-25
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APPLICATION NUMBER: 60/091360
                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091478
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APPLICATION NUMBER: 60/091544
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APPLICATION NUMBER: 60/091519
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FILING DATE: 1998-07-02
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APPLICATION NUMBER: 60/091626
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APPLICATION NUMBER: 60/091978
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FILING DATE: 1998-07-07
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FILING DATE: 1998-07-09
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Fong, Sherman
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan I.
APPLICANT: Ferrara, Napoleone
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Goddard, Audrey
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Best Local Similarity 100.
Matches 282; Conservative
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US-09-989-723-291
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R APLICATION NUMBER: 60/08826
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R APPLICATION NUMBER: 60/08858
R APLICATION NUMBER: 60/08861
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R APPLICATION NUMBER: 60/08861
R APPLICATION NUMBER: 60/08876
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R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089801
R FILING DATE: 1998-06-18
R FILING DATE: 1998-06-18
R APPLICATION NUMBER: 60/089907
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R APPLICATION NUMBER: 60/089440
R FILING DATE: 1998-06-16
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R FILING DATE: 1998-06-16
R APPLICATION NUMBER: 60/089512
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R FILING DATE: 1998-06-23
R PILING DATE: 1998-06-23
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FILING DATE: 1998-06-17
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FILING DATE: 1998-06-19
FILING DATE: 1998-06-22
                                                                               FILING DATE: 1998-06-10
APPLICATION UNDRER: 60/088810
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089599
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APPLICATION NUMBER: 60/089908
FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/089947
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FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090254
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APPLICATION NUMBER: 60/090435
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APPLICATION NUMBER: 60/090445
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FILING DATE: 1998-06-24
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FILING DATE: 1998-06-24
                            FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088742
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APPLICATION NUMBER: 60/090431
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181 WASQVDQGANPSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 61 DIKLSDIVIQWLKEGVLGLVHEPKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFFP 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP Gaps ö Length 282; Indels 241 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 ... . . Query Match 100.0%; Score 282; DB 9 Best Local Similarity 100.0%; Pred. No. 2e-263. Matches 282; Conservative 0; Mismatches 0 PRIOR FILING DATE: 1998-06-24
PRIOR PELING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090676
PRIOR PILING DATE: 1998-06-25
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PRIOR PELING DATE: 1998-06-25
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PRIOR APPLICATION NUMBER: 60/090695
PRIOR PELING DATE: 1998-06-25
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PRIOR APPLICATION NUMBER: 60/091869
PRIOR PELING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/09154
PRIOR PELING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/09154
PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07
PRIOR PELING DATE: 1998-07-07 ; Sequence 291, Application US/09989279; Patent No. US20020072496A1; GENERAL INFORMATION:
APPLICANT: AShkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Baker, Kevin P. FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090557 US-09-989-279-291 원 ઠે g ò ò

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R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089538

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089598

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R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089599

R FILING DATE: 1998-06-17
                     R APPLICATION NUMBER: 60/088212
R FILING DATE: 1998-06-05
R APPLICATION NUMBER: 60/088217
R APPLICATION NUMBER: 60/08655
R FILING DATE: 1998-06-09
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R APPLICATION NUMBER: 60/088738
R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/088742
R FILING DATE: 1998-06-10
R APPLICATION NUMBER: 60/08810
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R APPLICATION NUMBER: 60/089553
R FILING DATE: 1998-06-17
R APPLICATION NUMBER: 60/089801
R RFILING DATE: 1998-06-18
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APPLICATION NUMBER: 60/088826
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088858
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APPLICATION NUMBER: 60/088824
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/088861
FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088876
FILING DATE: 1998-06-11
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FILING DATE: 1998-06-12
APPLICATION NUMBER: 60/089440
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APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
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FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089532
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FILING DATE: 1998-06-18
APPLICATION NUMBER: 60/08947
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089948
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APPLICATION NUMBER: 60/089952
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/090246
FILING DATE: 1998-06-22
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APPLICATION NUMBER: 60/090431
FILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090435
FILING DATE: 1998-06-24
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FILING DATE: 1998-06-22
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APPLICATION NUMBER: 60/090349
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APPLICATION NUMBER: 60/090355
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APPLICATION NUMBER: 60/090254
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic CITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic CICRERT REPERENCE: P2730PLG56
CURRENT APPLICATION NUMBER: US/09/989,279
CURRENT FILING DATE: 2001-11-19
PRIOR FILING DATE: 1997-06-16
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R APPLICATION NUMBER: 60/087609

R FILING DATE: 1998-06-02

R APPLICATION NUMBER: 60/087759

R FILING DATE: 1998-06-02

R FILING DATE: 1998-06-02

R APPLICATION NUMBER: 60/088021

R APPLICATION NUMBER: 60/088021

R APPLICATION NUMBER: 60/088021

R APPLICATION NUMBER: 60/088025

R FILING DATE: 1998-06-04

R APPLICATION NUMBER: 60/088026

R FILING DATE: 1998-06-04

R APPLICATION NUMBER: 60/088026

R FILING DATE: 1998-06-04
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FILING DATE: 1997-10-17
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APPLICATION UNDRER: 60/078910
FILING DATE: 1998-03-20
APPLICATION NUMBER: 60/083322
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APPLICATION UNMBER: 60/087106
FILING DATE: 1998-05-28
APPLICATION NUMBER: 60/087607
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APPLICATION NUMBER: 60/088167
FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/066770
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APPLICATION NUMBER: 60/075945
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APPLICATION NUMBER: 60/084600
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FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/065311
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FILING DATE: 1998-06-04
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                                                                                                                                            Godowski, Paul J.
Grimaldi, J. Christopher
Gurney, Austin L.
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
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                                                                                Gerber, Hanspeter
Gerritsen, Mary E.
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                                                               Fong, Sherman
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APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
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FILE REPERENCE: P2730P1G5
CURRENT APPLICATION NUMBER: 00/09/989,727
CURRENT FILING DATE: 2001-11-19
PRIOR PILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/06250
PRIOR APLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-10-17
PRIOR PLICATION NUMBER: 60/065186
PRIOR PLICATION NUMBER: 60/065186
PRIOR PLICATION NUMBER: 60/065186
PRIOR APPLICATION NUMBER: 60/06511
PRIOR APPLICATION NUMBER: 60/06511
PRIOR PLING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
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BRILING DATE: 1998-05-28
BRILING DATE: 1998-06-2
BRILING DATE: 1998-06-02
BRILING DATE: 1998-06-03
BRILING DATE: 1998-06-04
BRILING DATE: 1998-06-04
BRILING DATE: 1998-06-04
                                          Sequence 291, Application US/09989727
Patent No. US20020072497A1
GENERAL INFORMATION:
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APPLICATION NUMBER: 60/088028
FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088029
FILING DATE: 1998-06-04
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FILING DATE: 1998-04-28
APPLICATION NUMBER: 60/084600
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
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Napier, Mary A.
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Botstein, David
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                                R AFFLICATION NUMBER: 60/090472
R AFFLICATION NUMBER: 60/090472
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090535
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090557
R APPLICATION NUMBER: 60/090676
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RAPPLICATION NUMBER: 60/090690

RETLING DATE: 1998-06-25

RAPPLICATION NUMBER: 60/090694

RETLING DATE: 1998-06-25

RETLING DATE: 1998-06-26

RETLING DATE: 1998-06-26
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APPLICATION NUMBER: 60/091360
FILING DATE: 1998-07-01
AAPPLICATION NUMBER: 60/091478
FILING DATE: 1998-07-02
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APPLICATION NUMBER: 60/091626
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091633
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FILING DATE: 1998-07-07
APPLICATION NUMBER: 60/091982
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FILING DATE: 1998-07-09
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FILING DATE: 1998-07-01
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1998-06-
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NUMBER: 60/088030 1998-06-04 NUMBER: 60/088033 1998-06-04 NUMBER: 60/088326 1998-06-04 1998-06-05 NUMBER: 60/088167 NUMBER: 60/08817 1998-06-05 NUMBER: 60/08817 1998-06-05 NUMBER: 60/08817 1998-06-05 NUMBER: 60/08817 1998-06-05 NUMBER: 60/08817	1998-06-09 10998-06-09 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-10 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-11 10998-06-12 10998-06-12 10998-06-12 10998-06-12 10998-06-12 10998-06-12 10998-06-16 10998-06-16 10998-06-16 10998-06-16 10998-06-16	NUMBER: 60/08953 1998-06-17 NUMBER: 60/08959 1998-06-17 NUMBER: 60/08960 1998-06-17 NUMBER: 60/08960 1998-06-17 NUMBER: 60/08965 1998-06-17 1998-06-18 NUMBER: 60/08990 1998-06-18 NUMBER: 60/08990 1998-06-18 NUMBER: 60/08991 1998-06-19 NUMBER: 60/08991 1998-06-19 NUMBER: 60/08991 1998-06-19 NUMBER: 60/080951 1998-06-19 NUMBER: 60/090251 1998-06-22 NUMBER: 60/090251 1998-06-22 NUMBER: 60/090251 1998-06-22 NUMBER: 60/090251
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PRIOR FILING DATE: 1998-06-23
PRIOR APPLICATION NUMBER: 60/090355
PRIOR PLING DATE: 1998-06-23
PRIOR PLING DATE: 1998-06-23
PRIOR PLING DATE: 1998-06-24
PRIOR PLING DATE: 1998-06-25
PRIOR PLING DATE: 1998-06-26
PRIOR PLING DATE: 1998-07-01
PRIOR PLING DATE: 1998-07-01
PRIOR PLING DATE: 1998-07-01
PRIOR PLING DATE: 1998-07-01
PRIOR PRIING DATE: 1998-07-01

Query Match
100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels 0; Gaps

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121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180

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APPLICANT: Zhang Zemin 1.

APPLICANT: Zhang Zemin 1.

FITTE OF INVENTION: Acids Encoding the Same CITES REFERENCE: P2730FU-0.

FITTE OF INVENTION: Acids Encoding the Same CITES REFERENCE: P2730FU-0.11-20

FILES REFERENCE: P2730FU-0.11-20

FRIOR PLILING DATE: 1997-10-17

FRIOR PLILING DATE: 1997-11-12

FRIOR PLILING DATE: 1998-10-2-25

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FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088217
                                                                  Grimaldi, J. Christopher
Gurney, Austin L.
                                                                                                                                                                                                                                                   Tumas, Daniel
Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                                                                                                      Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
                                                                                                                                                                                 Paoni, Nicholas F.
  rritsen, Mary E.
                                               Godowski, Paul J
                                                                                                                 Kljavin, Ivar J.
                                                                                                                                      Napier, Mary A.
                       Goddard, Audrey
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181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                                                                        241 TESEIKRRSHLÖLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                       241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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US-09-989-731-291
Sequence 291, Application US/09989731
Sequence 291, Application US/09989731
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botsein, David
APPLICANT: Peston, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Forsa, Napoleone
                                                                                                                                                                                                                                               Sequence 208, Application US/09910689
Patent No. US20020081609A1
GENERAL INFORMATION:
APPLICANT: Dillon, Davin C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.08;
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Houghton, Raymond
Mitcham, Jennifer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 282; Conserve
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US-09-910-689-208
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1998-06-05 NUMBER: 60/08865 1998-06-09	B-06-10	ER: 60/08873 3-06-10	NUMBER: 60/088742 : 1998-06-10	NUMBER: 60,	NUMBER: 60	NUMBER: 60	199 NUMB	o u	3-06-11	NUMBER: 60/088876	NUMBER:	ī~	: 1998-06-16 NIMBER: 60/089512	-06-16	NUMBER: 60/089514 : 1998-06-16	NUMB	i od	: 1998-06-17 NUMBER: 60/089598	3-06-17	NUMBER: 60/089599 : 1998-06-17	NUMBER	NUMBER	: 1998-06-17 NUMBER: 60/089801	98-06-18	NUMBEK: 60/089907 : 1998-06-18	NUMBER: 60	NUMBER: 60	NUMBER: 60	: 1998-06-19 NUMBER: 60/089952	: 1998-06-19 NUMBER: 60/090246	1998-06-22	1998-06-22	NUMB 199	NUMBER:	NUMBER:	1998-06-23 NIMBER: 60/090429	1998-06-24	NUMBER: 60/090431 1998-06-24	NUMBER:	NUMBER: 6	1998-0 NUMBER:	3-06-2
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PRIOR APPLICATION NUMBER: 60/090535
PRIOR PILING DATE: 1998-06-24
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PRIOR PLING DATE: 1998-06-24
PRIOR PLING DATE: 1998-06-24
PRIOR PLING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/09057
PRIOR PLING DATE: 1998-06-25
PRIOR PELING DATE: 1998-06-25
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PRIOR PELING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR PELING DATE: 1998-06-25
PRIOR APPLICATION NUMBER: 60/090690
PRIOR PILING DATE: 1998-06-25
PRIOR PELING DATE: 1998-06-26
PRIOR APPLICATION NUMBER: 60/09154
PRIOR PELING DATE: 1998-07-01
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-07

; 0 Indels ; Score 282; DB 9; ; Pred. No. 2e-263; 0; Mismatches 0; Query Match 100.0%; Best Local Similarity 100.0%; Matches 282; Conservative 0;

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121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 61 181 qq 8  $\delta$ 

181 WASQVDQGANFSEVSNTSFELNSENVIMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 241 g ò

RESULT 10 US-09-884-441-393 ; Sequence 393, Application US/0988441

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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/08858
FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/08861
FILING DATE: 1998-06-11
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                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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0
                                             APPLICANT: Carter, Darrick
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF OVARIAN CANCER
FILE REFERENCE: 210121.462C7
                                                                                                                                                                                                                                                                                                                                         DB 9; Length 282;
                                                                                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 282; DB 9; Length 2 Best Local Similarity 100.0%; Pred. No. 2e-263; Matches 282; Conservative 0; Mismatches 0; Indels
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                                                                                                                              CURRENT APPLICATION NUMBER 1997 9884,441 CURRENT FILING DATE 2001.06-18 NUMBER OF SEQ ID NOS: 489 SOFTWARE: FastSEQ for Windows Version 3.0 ERO ID NO 393 LENGTH: 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 291, Application US/09989732 Patent No. US20020123463A1 GENERAL INFORMATION:
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Gurney, Austin L.
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A
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Eaton, Dan L.
Ferrara, Napoleone
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Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
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Paoni, Nicholas F.
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
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                  INFORMATION:
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US20020119158A1
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                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-884-441-393
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                                     APPLICANT (
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APPLICANT:
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PRIOR FILING DATE: 1997-10-17
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PRIOR PELING DATE: 1997-10-17
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PRIOR APPLICATION NUMBER: 60/065311
PRIOR PELING DATE: 1997-11-12
PRIOR PELING DATE: 1997-11-24
PRIOR PELING DATE: 1997-11-24
PRIOR PELING DATE: 1999-10-25
PRIOR PELING DATE: 1998-02-25
PRIOR PELING DATE: 1998-04-28
PRIOR PELING DATE: 1998-04-28
PRIOR PELING DATE: 1998-04-28
PRIOR PELING DATE: 1998-04-28
PRIOR PELING DATE: 1998-06-07

PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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APPLICATION NUMBER: 60/088202
FILING DATE: 1998-06-05
APPLICATION NUMBER: 60/088212
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FILING DATE: 1998-06-09
APPLICATION NUMBER: 60/088734
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APPLICATION NUMBER: .60/088738
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/088217
FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/08810
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R FILING DATE: 1998-06-12

R APPLICATION NUMBER: 60/089440

R FILING DATE: 1998-06-16

R APPLICATION NUMBER: 60/089512

R FILING DATE: 1998-06-16

R FILING DATE: 1998-06-16

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089514

R APPLICATION NUMBER: 60/089518

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089598

R FILING DATE: 1998-06-17

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R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089599

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R APPLICATION NUMBER: 60/090444

R APPLICATION NUMBER: 60/090445

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/09045

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090535

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090540

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R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090576

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090576

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090576

R FILING DATE: 1998-06-24
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RAPPLICATION NUMBER: 60/089653

RETLING DATE: 1998-06-17

RAPPLICATION NUMBER: 60/089801

RAPPLICATION NUMBER: 60/089907

RAPPLICATION NUMBER: 60/089907

RAPPLICATION NUMBER: 60/089908

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RAPPLICATION NUMBER: 60/089908
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R APPLICATION NUMBER: 60/090349
R FILING DATE: 1998-06-23
R APPLICATION NUMBER: 60/090355
R FILING DATE: 1998-06-23
R APPLICATION NUMBER: 60/090429
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APPLICATION NUMBER: 60/089948
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APPLICATION NUMBER: 60/089952
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/090246
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APPLICATION UNDBER: 60/090431
FLILING DATE: 1998-06-24
APPLICATION NUMBER: 60/090435
APPLICATION NUMBER: 60/089105
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APPLICATION NUMBER: 60/090252
FILING DATE: 1998-06-22
APPLICATION NUMBER: 60/090254
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APPLICATION NUMBER: 60/090695
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181 WASQVDQGANFSEVSNTSFELNSENVIMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240 61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP Gaps ; 0 Length 282; Indels TESEIKRRSHLÖLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 Score 282; DB 9; Pred. No. 2e-263; 0; Mismatches PRIOR APPLICATION NUMBER: 60/090862
PRIOR FILING DATE: 1998-06-26
PRIOR FILING DATE: 1998-06-26
PRIOR FILING DATE: 1998-06-26
PRIOR PILING DATE: 1998-06-26
PRIOR PELING DATE: 1998-07-01
PRIOR APPLICATION NUMBER: 60/091360
PRIOR PILING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR PILING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091519
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-02
PRIOR PELING DATE: 1998-07-02
PRIOR APPLICATION NUMBER: 60/091636
PRIOR APPLICATION NUMBER: 60/091636
PRIOR APPLICATION NUMBER: 60/091636
PRIOR APPLICATION NUMBER: 60/091636
PRIOR PELING DATE: 1998-07-07
PRIOR PELING DATE: 1998-07-07
PRIOR PELING DATE: 1998-07-07
PRIOR PILING DATE: 1998-07-07 Sequence 291, Application US/09991073; Patent No. US20020127576A1; GENERAL INFORMATION: FILING DATE: 1998-06-25 APPLICATION NUMBER: 60/090862 100.0%; 100.0%; Query Match
Best Local Similarity 100.
Matches 282; Conservative APPLICANT: Ashkenazi, Avi J. APPLICANT: Baker, Kevin P. APPLICANT: Botstein, David 121 181 241 241 임 ò 8 엄 à

Godowski, Paul J. Grimaldi, J. Christopher

Gurney, Austin L.

Napier, Mary A.

Gerritsen, Mary E Gerber, Hanspeter

Goddard, Audrey

Paoni, Nicholas F

APPLICANT: APPLICANT:

Ferrara, Napoleone

Desnoyers, Luc Eaton, Dan L. Fong, Sherman

APPLICATION NUMBER: 60/088824 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088826 FILING DATE: 1998-06-10 APPLICATION NUMBER: 60/088858 FILING DATE: 1998-06-12 APPLICATION NUMBER: 60/089440 FILING DATE: 1998-06-16

APPLICATION NUMBER: 60/089105

LING DATE: 1998-06-11

FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088861
FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088876

FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089512
FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089514
FILING DATE: 1998-06-16

FILING DATE: 1998-06-17 APPLICATION NUMBER: 60/089538

FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089598

FILING DATE: 1998-06-16 APPLICATION NUMBER: 60/089532

FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089599
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
FILING DATE: 1998-06-17

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APPLICATION WILLIAMS, NATIONAL W.
APPLICATION WILLIAMS, NATIONAL WAS NATIONAL WILLIAMS, NATIONAL WAS NATIONAL WILLIAMS, NATIONA
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
                                                                               Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
Roy, Margaret Ann
Stewart, Timothy A.
                                                    Daniel
                                                          Pumas,
                                                    APPLICANT:
APPLICANT:
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NR APPLICATION NUMBER: 60/089653
RR FILING DATE: 1998-06-17
RR APPLICATION NUMBER: 60/089801
RR FILING DATE: 1998-06-18
RR APPLICATION NUMBER: 60/089907
RR FILING DATE: 1998-06-18

R FILING DATE: 1998-06-22

R APPLICATION NUMBER: 60/090254

R FILING DATE: 1998-06-22

R APPLICATION NUMBER: 60/090349

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-23

R FILING DATE: 1998-06-23

R APPLICATION NUMBER: 60/090429

R APPLICATION NUMBER: 60/090429

R APPLICATION NUMBER: 60/090429

R APPLICATION NUMBER: 60/090431

R FILING DATE: 1998-06-24

APPLICATION NUMBER: 60/090246 FILING DATE: 1998-06-22 APPLICATION NUMBER: 60/090252

PRIOR

1998-06-19

FILING DATE:

FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089948
FILING DATE: 1998-06-19
APPLICATION NUMBER: 60/089952

APPLICATION NUMBER: 60/089908 FILING DATE: 1998-06-18

APPLICATION NUMBER: 60/089947

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/09045

R FILING DATE: 1998-06-24

R FILING DATE: 1998-06-24

R APPLICATION NUMBER: 60/090535

R FILING DATE: 1998-06-24

PRIOR

APPLICATION NUMBER: 60/090435 FILING DATE: 1998-06-24 APPLICATION NUMBER: 60/090444

R APPLICATION NUMBER: 60/090540
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090542
R FILING DATE: 1998-06-24
R APPLICATION NUMBER: 60/090557
R FILING DATE: 1998-06-24

PRIOR

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APPLICANT: Zhang, Zeminary TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Acids Encoding the Same Fill REPREBRIES: P2730PIC8
CURRENT APPLICATION NUMBER: US/09/990,442
CURRENT FILING DATE: 2001-11-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/049787
PRIOR PILING DATE: 2001-11-14
PRIOR FILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-06-16
PRIOR FILING DATE: 1997-10-17
PRIOR PILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR PILING DATE: 1997-11-12
PRIOR PILING DATE: 1997-11-12
PRIOR PILING DATE: 1997-11-13
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FILING DATE: 1998-06-04
APPLICATION NUMBER: 60/088026
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APPLICATION NUMBER: 60/088028
FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/066770
FILING DATE: 1997-11-24
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APPLICATION NUMBER: 60/075945
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APPLICATION NUMBER: 60/078910
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APPLICATION NUMBER: 60/083322
FILING DATE: 1998-04-28
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APPLICATION NUMBER: 60/087106
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FILING DATE: 1998-66-02
APPLICATION NUMBER: 60/087609
FILING DATE: 1998-06-02
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
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FILING DATE: 1998-06-04
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APPLICATION NUMBER: 60/088030
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APPLICATION NUMBER: 60/088326
FILING DATE: 1998-06-04
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FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088202
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APPLICATION NUMBER: 60/088212
FILING DATE: 1998-06-05
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APPLICATION NUMBER: 60/088021
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                                                           Grimaldi, J. Christopher
Gurney, Austin L.
                                                                                                                                                                                                                                                                                                       Tumas, Daniel
Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
                                                                                                                                                                                                                                               Roy, Margaret Ann
Stewart, Timothy A.
Tumas, Daniel
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                                                                                                                                                                                                               Paoni, Nicholas F.
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         Goddard, Audrey
Godowski, Paul J.
                                                                                                                                                       Napier, Mary A.
                                                                                                                                                                                         Pan, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                                                                                                       APPLICANT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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100.0%; Score 282; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 2e-263;
Matches 282; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                      R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090695
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090696
R FILING DATE: 1998-06-25
R APPLICATION NUMBER: 60/090862
R FILING DATE: 1998-06-26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 1998-07-01
APPLICATION NUMBER: 60/091519
FILING DATE: 1998-07-02
APPLICATION NUMBER: 60/091626
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APPLICATION NUMBER: 60/091978
                            APPLICATION NUMBER: 60/090678
FILING DATE: 1998-06-25
                                                                                    APPLICATION NUMBER: 60/090690
FILING DATE: 1998-06-25
APPLICATION NUMBER: 60/090694
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APPLICATION NUMBER: 60/091478
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APPLICATION NUMBER: 60/092182
FILING DATE: 1998-07-09
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APPLICATION NUMBER: 60/091544
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Ferrara, Napoleone
Fong, Sherman
Gerber, Hanspeter
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APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Besnoyers, Luc
APPLICANT: Baton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Ferrara, Napoleone
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REFLIGATION NUMBER: 60/090252
RAPPLICATION NUMBER: 60/090252
RAPPLICATION NUMBER: 60/090252
RAPPLICATION NUMBER: 60/090254
RETLING DATE: 1998-06-22
RAPPLICATION NUMBER: 60/090349
RETLING DATE: 1998-06-23
RAPPLICATION NUMBER: 60/090355
RETLING DATE: 1998-06-23
RAPPLICATION NUMBER: 60/090429
RETLING DATE: 1998-06-24
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R APPLICATION NUMBER: 60/089948
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R PILING DATE: 1998-06-19
R FILING DATE: 1998-06-19
R APPLICATION NUMBER: 60/08052
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088742
                                                         FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088810
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088824
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APPLICATION NUMBER: 60/088826
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088858
FILING DATE: 1998-06-11
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APPLICATION NUMBER: 60/088876
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/089105
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APPLICATION NUMBER: 60/089440
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APPLICATION NUMBER: 60/089514
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APPLICATION NUMBER: 60/089532
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APPLICATION NUMBER: 60/089599
FILING DATE: 1998-06-17
APPLICATION NUMBER: 60/089600
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APPLICATION NUMBER: 60/089907
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APPLICATION NUMBER: 60/089947
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APPLICATION NUMBER: 60/089653
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APPLICATION NUMBER: 60/089801
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DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 241 TESEIKRRSHLOLLINSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 ; Sequence 291, Application US/09991163 ; Patent No. US20020132253A1 RESULT 14 US-09-991-163-291 121 61 61 181 음 8 셤 ઠે

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PRIOR APPLICATION NUMBER: 60/088202
PRIOR PELING DATE: 1998-06-05
PRIOR APPLICATION NUMBER: 60/088212
PRIOR PILING DATE: 1998-06-05
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R FILING DATE: 1998-06-17

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R APPLICATION NUMBER: 60/089599

R FILING DATE: 1998-06-17

R APPLICATION NUMBER: 60/089600

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R APPLICATION NUMBER: 60/089653
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PRIOR FILING DATE: 1998-06-18
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PRIOR FILING DATE: 1998-06-18
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R APPLICATION NUMBER: 60/090246
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APPLICATION NUMBER: 60/088824
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088826
FILING DATE: 1998-06-10
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APPLICATION NUMBER: 60/088202
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FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088738
FILING DATE: 1998-06-10
APPLICATION NUMBER: 60/088742
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FILING DATE: 1998-06-11
APPLICATION NUMBER: 60/088876
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FILING DATE: 1998-06-16
APPLICATION NUMBER: 60/089512
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APPLICATION NUMBER: 60/090252
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FILING DATE: 1998-06-23
APPLICATION NUMBER: 60/090429
FILING DATE: 1998-06-24
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APPLICATION NUMBER: 60/088858
FILING DATE: 1998-06-11
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FILING DATE: 1998-06-12
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APPLICANT: WOOK WILLIAM I.
APPLICANT: WOOK WILLIAM I.
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic CURRERY APPLICATION: UNBER: US/09/991,163
CURRERY PELING DATE: 1297-10-17
PRIOR APPLICATION NUMBER: 60/06250
PRIOR PAPLICATION NUMBER: 60/065186
PRIOR PLING DATE: 1997-10-11
PRIOR PAPLICATION NUMBER: 60/06311
PRIOR PAPLICATION NUMBER: 60/06311
PRIOR PAPLICATION NUMBER: 60/06311
PRIOR PAPLICATION NUMBER: 60/06312
PRIOR PAPLICATION NUMBER: 60/08322
PRIOR PLING DATE: 1998-02-28
PRIOR PLING DATE: 1998-02-28
PRIOR PLING NUMBER: 60/08302
PRIOR PLING DATE: 1998-06-02
PRIOR PAPLICATION NUMBER: 60/08769
PRIOR PLING DATE: 1998-06-02
PRIOR PAPLICATION NUMBER: 60/08769
PRIOR PLING DATE: 1998-06-02
PRIOR PLING DATE: 1998-06-03
PRIOR PLING NUMBER: 60/088025
PRIOR PLING NUMBER: 60/088025
PRIOR PLING NUMBER: 60/088028
PRIOR PAPLICATION NUMBER: 60/088028
PRIOR PLING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088028
PRIOR PLING DATE: 1998-06-04
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PLICATION NUMBER: 60/088033
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APPLICATION NUMBER: 60/088326
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Grimaldi, J. Christopher
Gurney, Austin L.
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Williams, P. Mickey
Wood, William I.
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Stewart, Timothy A.
Tumas, Daniel
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Gerber, Hanspeter
Gerritsen, Mary E.
Goddard, Audrey
                                                                                      Desnoyers, Luc
Eaton, Dan L.
Ferrara, Napoleone
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Paoni, Nicholas F.
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
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### PEPLICANT: Zhang, Zemin | 1. | ### PEPLICANT: Zhang, Zemin | 11TLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic | 11TLE OF INVENTION: Acids Encoding the Same | 11TLE OF INVENTION: Acids Encoding the Same | 11TLE OF INVENTION: Acids Encoding the Same | 11TLE PEPERBUCE: P2730PIC25 | CURRENT APPLICATION NUMBER: US/09/993,604 | CURRENT FILING DATE: 1997-01-14 | PRIOR PILING DATE: 1997-06-16 | PRIOR APPLICATION NUMBER: 60/065186 | PRIOR PILING DATE: 1997-11-12 | PRIOR APPLICATION NUMBER: 60/065311 | PRIOR APPLICATION NUMBER: 60/065311 | PRIOR PILING DATE: 1997-11-13 | PRIOR PILING DATE: 1998-01-25 | PRIOR PILING DATE: 1998-02-25 | PRIOR PILING DATE: 1998-02-25 | PRIOR PILING DATE: 1998-02-25 | PRIOR PILING DATE: 1998-04-28 | PRIOR PILING DATE: 1998-04-28 | PRIOR PILING DATE: 1998-04-28 | PRIOR PILING DATE: 1998-05-07 | PRIOR PILIN
241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                            241 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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PRIOR APPLICATION NUMBER: 60/088021
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04
PRIOR APPLICATION NUMBER: 60/088026
PRIOR PILING DATE: 1998-06-04
                                                                                                                                                                                        Sequence 291, Application US/09993604
Patent No. US20020137075A1
GENERAL INFORMATION:
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APPLICATION NUMBER: 60/087609
FILING DATE: 1998-06-02
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FILING DATE: 1998-06-02
APPLICATION NUMBER: 60/087827
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Watanabe, Colin K.
Williams, P. Mickey
Wood, William I.
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Tumas, Daniel
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Paoni, Nicholas F.
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Kljavin, Ivar J.
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NR APPLICATION NUMBER: 60/090444

NR FILING DATE: 1998-06-24

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NR FILING DATE: 1998-06-24

NR APPLICATION NUMBER: 60/090472

NR APPLICATION NUMBER: 60/090535

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R APPLICATION NUMBER: 60/090690

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R FILING DATE: 1998-07-01
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FILING DATE: 1998-06-26
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FILING DATE: 1998-06-26
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FILING DATE: 1998-07-09
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PRIOR PRILICATION NUMBER: 60/09069

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Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand; pharmaceutical; receptor immunoadhesin; gene mapping.
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                     GenCore version 5.1.6
(c) 1993 - 2005 Compugen Ltd.
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04-AUG-1998;
10-AUG-1998;
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98US-0096012P 98US-0096143P 98US-0096146P 98US-0096166P 98US-009673P 98US-009673P 98US-0096891P 98US-009681P 98US-0097918P 26-AUG-1998; 26-AUG-1998; 26-AUG-1998; .6-SEP-1998 

(GETH ) GENENTECH INC.

K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK; VI, Yuan J; Baker K, Wood WI,

WPI; 2000-072883/06. N-PSDB; AAZ65059.

Membrane-bound proteins and related nucleotide sequences.

Claim 12; Fig 208; 822pp; English.

The invention provides membrane-bound PRO polypeptides and purelectides encoding them. The PRO sequences of the invention were identified based on extracellular domain homology screening. The PRO sequences have homology with proteins including LDL receptors, TIE ligands and various enzymes. The membrane-bound proteins and receptor molecules are useful as pharmaceutical and diagnostic agents. Receptor immunoadhesins, for instance, can be used as therapeutic agents to block receptor-ligand interactions. The membrane-bound proteins can also be receptor-ligand interactions. The membrane-bound proteins can also be receptor-ligand interaction. The PRO encoding sequences of the relevant receptor/ligand interaction. The PRO encoding sequences are useful as hybridization probes, in chromosome and gene mapping and in also be useful for the preparation of PRO polypeptides, especially by recombinant techniques

Sequence 282 AA;

Gaps ; Length 282; Query Match 100.0%; Score 282; DB 3; Length 2. Best Local Similarity 100.0%; Pred. No. 2.8e-286; Matches 282; Conservative 0; Mismatches 0; Indels

9 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP 1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP

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                                                                                                                    WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                  QLTDAGTYKCYI ITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
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DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                                                                                                                                                                                                      Human; ovarian carcinoma; ovarian cancer; therapy; diagnosis;
tumour antigen; identification; cytostatic; gene therapy; vaccine.
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                                                                                                                                                                                                                                                                                                                              Human ovarian carcinoma antigen OBE protein SEQ ID NO:393
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100.0%; Pred. No. 2.8e-286;
ive 0; Mismatches 0;
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98US-00216003.
99US-00338933.
99US-00404879.
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Matches 282; Conservative
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                                                                                          121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVAVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                   181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                             QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                  DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                               DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
                                                                                                                                                                  Human PRO polypeptide sequence #109.
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2000US-0194647P.
2000US-0195975P.
2000US-0196187P.
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2000US-0192655P
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2000US-0198121P
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22-MAY-2000;
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Wed Apr 20

Human; PRO protein;

Human PRO1291

WO200116318-A2

08-MAR-2001

24-AUG-2000;

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Sequences AAU29024-AAU29328 represent PRO polypeptides of the invention.

The PRO polypeptides and their associated nucleic acids can be used to detect the presence of a tumour in a mammal by comparing the level of expression of a PRO polypeptide in a test sample of cells from the animal and a control sample of normal cells, whereby a higher level of expression in the test sample indicates the presence of a tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep, pigs, goats and rabbits but are preferably human. The polypeptides can be used to stimulate tumour necrosis factor (TNP) alpha release from human blood, when contacted with it. A specific polypeptide can be used to stimulate the proliferation or differentiation of chondrocyte cells. The PRO proteins can be used to determine the presence of tumours and also susceptibility to tumour development, particularly adrenal, lung, colon, susceptibility to tumour development, particularly adrenal, lung, colon, susceptibility to tumour development, particularly adrenal, lung, colon, breast, prostate, rectal, cervical, or liver tumours, in mammalian subjects. The oligonucleotide probes specific for the PRO nucleic acids.
                                                                                                                                                                                                                                                                                                                                                           Novel nucleic acids encoding PRO polypeptides, used to diagnose the presence of tumors, such as prostate and breast tumors, in mammals and to screen for modulators of the compounds.
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Wood WI, Zhang Z;
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                                                          28-JUL-2000; 2000WO-US020710.
22-MUG-2000; 2000WS-00644848.
24-AUG-2000; 2000WO-US023328.
01-DEC-2000; 2000WO-US032678.
20-DEC-2000; 2000WO-US032678.
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                    2000WO-US015264
2000US-0209832P
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Matches 282; Conservative
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N-PSDB; AAS46033.
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30-MAY-2000;
02-JUN-2000;
05-JUN-2000;
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                                                           The present sequence is a human PRO polypeptide (secreted and transmembrane). The PRO protein, and PRO agonists, PRO antagonists or anti-PRO antibodies are useful for preparation of a medicament useful in the treatment of a condition which is responsive to the PRO protein, agonists, antagonists or anti-PRO antibodies. The PRO protein may also be employed as molecular weight markers for protein electrophoresis. The PRO coding sequence has applications in molecular biology, including use as hybridisation probes, and in chromosome and gene mapping
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Claim 12; Fig 60; 278pp; English.
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Best Local Similarity 100.
Matches 282, Conservative
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AAB87555 standard; protein; 282 AA

RESULT 4 AAB87555 AAB87555

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Eighty four nucleic acids encoding PRO polypeptides, useful in molecular biology, including use as hybridization probes, and in chromosome and

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Godowski

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Goddard P Wood WI;

Gerritsen ME, Watanabe CK,

Filvaroff J, Gurney

Eaton DL, Fi] Grimaldi CJ, WPI; 2001-183260/18. N-PSDB; AAF92087.

gene mapping

(GETH ) GENENTECH INC

99WO-US021090 99US-0169495P 99US-0170262P 2000US-0175481P

15-SEP-1999 07-DEC-1999 09-DEC-1999 2000WO-US0044114, 2000WO-US005601, 2000US-0191007P. 2000WO-US008439, 2000WS-019397P, 2000WS-019397P, 2000WS-019397P, 2000WS-019397P, 2000WS-019397P,

11-JAN-2000; 18-FEB-2000; 18-FEB-2000; 22-FEB-2000; 01-MAR-2000;

21-MAR-2000; 30-MAR-2000; 25-APR-2000; 22-MAY-2000; 05-JUN-2000;

2000WO-US004341 2000WO-US004342

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PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.
WASQVDQCANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 DL;
Godowski PJ;
Paoni NF;
Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        secreted and transmembrane protein; PRO; cytostatic; cell death; chromosomal mapping; gene mapping; tissue typing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Baker KP, Botstein D, Desnoyers L, Eaton ag S, Gerber H, Gerritsen ME, Goddard A, Surney AL, Kljavin IJ, Napier MA, Pan J, Tt TA, Tumas D, Watanabe CK, Williams PM,
                                                                                                                         TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                                                                                                                                                                                                              Human PR01291 (UNQ659) protein sequence SEQ ID NO:291.
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99US-0141037P.
99US-0143048P.
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99US-0145698P.
99US-0146222P.
99US-0149396P.
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24-FEB-2000; 2000WO-US004914
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2000WO-US005004
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Ferrara N, Fong S, Gerb
Grimaldi CJ, Gurney AL,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diagnostic assay.
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02-MAR-2000;
15-MAR-2000;
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L7-AUG-1999
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The present invention relates to human breast tumour protein coding sequences (see AAH55479-AAH55513, AAH55517-AAH55679 and AAH55682-AAH55762). The breast tumour protein DNA sequences may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the breast tumour protein e.g. breast cancer. The present sequence is a human ovarian tumour-derived antigen, which was used in an example from the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                Cytostatic; human; breast tumour protein; breast cancer; ovarian tumour; antigen; O8E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Breast tumor polypeptides and the nucleic acids that encode them, useful for the prevention, diagnosis and treatment of breast cancer.
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                                                                          TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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100.0%; Pred. No. 2.8e-286;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                AAB99204 standard; protein; 282
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22-FBB-2000; 2000US-00510662.
110-MAR-2000; 2000US-0053586.
07-APR-2000; 2000US-00545068.
15-MAY-2000; 2000US-00571025.
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Matches 282; Conservative
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10-JAN-2002

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proteins. The PRO proteins have cytostatic activity. The PRO proteins can be used for targeted delivery of bioactive molecules, such as toxins; radiolabels or antibodies, that cause cell death. PRO nucleotide chromosomal and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to AAF44470 represent PGR primers and hybridisation probes used in the isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to AAB65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention
                 present invention describes human secreted and transmembrane PRO
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Sequence 282 AA;

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WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                        DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                                                                                                                                                                                                                                              WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                             1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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                                                            1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
                              ő
 Length 282;
                              Indels
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100.0%; Score 282; DB 4; I 100.0%; Pred. No. 2.8e-286;
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                              0; Mismatches
                              Conservative
              Similarity
                              282;
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Query Match
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                 Local
                              Matches
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AAE20311 standard; protein; 282 (first entry) Human B7-H8 protein #1. 18-JUN-2002 AAE2031 RESULT 

Addison's disease, autoimmune haemolytic anaemia; autoimmune thyroiditis; diabetes mellitus; Crohn's disease; multiple sclerosis; allergy; cancer; rheumatoid arthritis, cardiovascular disorder; nervous system disorder; myocardial ischaemia; ulcerative colitis; reproductive system disorder; Alzheimer's disease; Parkinson's disease; endocrine disorder; hepatitis; B7-like protein; inflammation; tissue damage; immune disorder;

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120 120 180

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240

WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240

181 181 241

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WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV

TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282 TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282

diabetes mellitus; Grave's disease; Paget's disease; liver disorder; gastrointestinal disorder; irritable bowal syndrome; cerebral anoxia; dysphagia; hepatomegaly; neurological disease; infectious disease; epilepsy; gene therapy; B7-H8 protein; chromosome 1.

Homo sapiens

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"Mature B7-H8 protein"
           1. .24
/label= Signal_peptide
Location/Qualifiers
                                 .282
                                 25. .28;
/note= '
         Peptide
                                  Protein
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WO200202587-A1

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The present invention relates to novel human B7-like polypeptides and polymucleotides encoding such proteins. Sequences of the invention are polymucleotides and polypeptides are administered commandalian subject. The polymucleotides and polypeptides are administered to subject having a disorder related to B-7 Like polypeptides, such as considerable to imappropriate or excessive inflammation in block can lead to tissue damage or even death, where the inflammation is brought about by the activation of certain cells in the body e.g. T cells and may involve disorders or even death, where the inflammation is brought about by the activation of certain cells in the body e.g. T cells and may involve disorders consists and antagonists of the invention are useful in the diagnosis, agonists and antagonists of cancer (e.g. cancers of the adrenal gland, connex marrow, breast, gastrointestinal tract, liver, urogenital or lung), immune disorders (e.g., Addison's disease, allergies, autoimmune thyoriditis, diabetes mellitus, crohn's disease, multiple sclerosis, rheumatoid arthritis, ulcrative colitis), cardiovascular disorders (e.g., myocardial ischaemias), nervous system disorders (e.g., cardiovascular disorders (e.g., myocardial ischaemias), nervous system disorders (e.g., ciabetes mellitus, Grave's disease), reproductive system disorders (e.g., cryptorchism, Paget's disease), reproductive system disorders (e.g., cryptorchism, Paget's disease), lastrointestinal disorders (e.g., dysphagia, irritable bowel syndrome), liver disorders (e.g., hepatomagaly), neurological diseases (e.g., cerebral anoxia and epilepsy) and infectious. Sequences such as viral, bacterial, fungal and parasitic contractions. Sequence is human B7-H8 protein. B7-H8 gene is located on
                                                                                                                                                                                                                                                                                                                            Isolated nucleic acids encoding human B7-like polypeptides, useful for diagnosis and treatment of e.g. inflammation, cancer, immune disorders such as Addison's disease, and cardiovascular disorders such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV
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                                                                                                                                                                                                                                                                                                                                                                                                                                               English.
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100.0%;
                                            29-JUN-2001; 2001WO-US020917.
                                                                                          2000US-0215135P.
2000US-0225266P.
                                                                                                                                                               (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                                                                                              Ruben SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 282; Conservative
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                                                                                                                                                                                                           Fiscella M, Ni J,
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The present invention relates to a new method for assessing whether a patient is afflicted with ovarian cancer. The method involves comparing the expression of the marker in a patient sample and the normal level of expression of the marker in a patient sample and the normal level of expression of the marker is selected from 363 cancer markers described in the care the marker is selected from 363 cancer markers described in the pasients of the invention is useful in diagnosing or characterising cancer, in detecting the presence of cancer as early as possible, and the recurrence of ovarian cancer. The method may also be of particular use with patients having an enhanced risk of developing ovarian cancer (e.g. patients having an enhanced risk of developing cancer). The cancer markers may be used in the management and treatment of each. The cancer markers may be used in the management and treatment of e.g. brain and central nervous system disorders (e.g. bacterial and viral meningitis), concerned disorders (e.g. bacterial or viral meningitis or encephalitis), connective tissue disorders, or heart disorders (e.g. ischaemic heart disorders (e.g. ischaemic heart disorders (e.g. inflammations disorders, or heart disorders (e.g. ischaemic heart disorders in assessing the histological type of neoplasm associated with ovarian cancer, monitoring the progression of ovarian cancer, determining whether ovarian cancer has metaatsaized or is likely to metastasize, selecting a composition for inhibiting ovarian cancer, assessing the
                                                                                                                                                                                                        Human; ovarian cancer; marker; cancer; familial history; brain disorder; central nervous system disorder; bacterial meningitis; viral meningitis; Alzheimer's disease; Parkinson's disease; cerebral oedema; hydrocephalus; brain herniation; inflammation; encephalitis; testicular disorder; nontuberculous granulomatous orchitis; connective tissue disorder; heart disorder; ischaemic heart disease; atherosclerosis; neoplasm; histological type; carcinogenic; ovarian cancer marker.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Assessing whether a patient is afflicted with ovarian cancer, useful in assessing the stage or progression of the disease, comprises comparing the expression level of a cancer marker in a sample from a patient and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kamatkar S, Kovatis SG;
n A, Vieby PO, Mills GB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            M, Hoersch S, Kamatka)
Olandt PJ, Sen A, Vie
RE, Zhao X, Glatt K;
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                                        ABG96445 standard; protein; 282 AA
                                                                                                                                                                       Human ovarian cancer marker OV88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14-MAR-2001, 2001US-0276026P.
10-MUG-2001; 2001US-031132P.
19-SEP-2001; 2001US-0323580P.
26-SEP-2001; 2001US-0324967P.
26-SEP-2001; 2001US-0325102P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bast RC, Lu K, Schmandt RE,
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N-PSDB; ABS76544.
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                                                                                  ABG96445;
RESULT 8
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/note= "Tumour_associated antigenic target polypeptide"
ovarian carcinogenic potential of a compound, or inhibiting ovarian cancer or at risk of developing ovarian cancer. The present amino acid sequence represents one of the ovarian cancer markers described in the
                                                                                                                                                                                                                                                    QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
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                                                                                                                                    1 MASIGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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                                                                                                            Gaps
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                                                                                    Length 282;
                                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumour associated antigenic target polypeptide (TAT) 136.
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                                                                                   ; Score 282; DB 5; L; Pred. No. 2.8e-286; 0; Mismatches 0;
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|Jabel= N-myristoylation_site
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/label= N-myristoylation_site
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//abel= N-glycosylation_site
196. .200
//abel= N-glycosylation_site
205. .209
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/label=_N-glycosylation_site
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/label= N-glycosylation_site
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/label= Signal_peptide
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                                                                                               Similarity
                                                             Sequence 282 AA;
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hes 282;
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                     ABG95880
                                    The invention describes an isolated antibody which binds to a tumourassociated antigenic target (TAT) polypeptide. The antibody is useful for: killing a cancer cell (such as a breast, colorectal, lung, ovarian, central nervous system, liver, bladder, pancreatic, cervical, melanoma or leukaemia cell) that expresses a polypeptide with at least 80% identity to the TAT polypeptide with at least 80% identity express a polypeptide with at least 80% identity to the TAT polypeptide sequence; treating a tumour comprising cells that express a polypeptide is polypeptide a polypeptide is polypeptide for a polypeptide sequence in a sample suspected of containing the polypeptide; diagnosing the presence of a tumour in a mammal, and for antibody dependent enzyme mediated prodrug therapy (ADEPT). This is the amino acid sequence of the tumour associated antigenic target polypeptide (TAT) 136, described in the invention
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216. .220
/label= N-glycosylation_site
220. .224
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258. .282
/label= Transmembrane_domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 2; Fig 8; 123pp; English.
                                                                                                                                                                                                          2000WO-US023328.
2001WO-US006520.
2001US-00888257.
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22-JUN-2001; 2001US-00888257.
22-JUN-2001; 2001WO-US020118.
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Zhang Z;
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N-PSDB; ABK11744.
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2001WO-US017443.
99WO-US005028
99WO-US010733
                   99WO-US021090
                        99WO-US021194
                                                     2000WO-US008439
                                                         2000WO-US014042
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                                                                                 2000WO-US032378
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                                                    MAR-2000;
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02-JUN-2000;
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01-MAR-2001;
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20-DEC-2000;
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                                 FEB-2000;
                                                                       24-AUG-2000;
                                      FEB-2000;
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## (GETH ) GENENTECH INC

Godowski PJ; Goddard A, Wood WI; Ã,¥, Gerritsen Watanabe E, AL, Filvaroff E C, Gurney A Grimaldi JC, Eaton DL,

WPI; 2002-731348/79. N-PSDB; ABS74407.

isolated secreted and transmembrane PRO polypeptide useful for lating biological activity of a cell, or for treating sports-related at problems, osteoarthritis or rheumatoid arthritis. joint problems, modulating New

Claim 20; Fig 60; 399pp; English.

The invention relates to an isolated secreted and transmembrane PRO polypeptide having 80 % sequence identity to a sequence appearing as ABGS51-ABGS5934 or their associated signal peptide, or a sequence of an extracellular domain of the proteins with their associated signal peptide or a lacking its associated signal peptide. Also included are the nucleic acids encoding the proteins with their associated signal peptide. C acids encoding the proteins, vectors, host cells, fusion proteins and antibodies which specifically bind to the proteins. The proteins are useful for detecting a polypeptide designated as A, B, C or D in a sample conjugate with a polypeptide designated as B, F, G, H or I/I polypeptide conjugate in the sample, where the formation of the conjugate is and actermining the formation of a A/E, B/F, B/G, C/H or I/I polypeptide. C indicative of the presence of an A, B, C or D polypeptide, I is a PRO1905 polypeptide, B is a PRO2010 polypeptide, I is a PRO1905 polypeptide, B is a PRO2010 polypeptide, I is a PRO1905 polypeptide, B is a PRO2010 polypeptide, I is a PRO1905 polypeptide and I is a PRO190 polypeptide. B is a pro2010 polypeptide or a cell suspected of expressing the A, B, C or D polypeptide in the boactive molecule causes death of the cell. A, B, C or D or E, F, G, H, or I. The bioactive molecule is a toxin, a radiolabel or an antibody. The process are useful for modulating a biodicial corrections are useful for modulating a biodicial corrections are useful for modulating a biodicial corrections. The bioactive molecule sales death of the cell. A, B, C or D or E, F, G, H, or I. The cell expressing a polypeptide designated as A, B, C or D or E, F, G, H, or I. The cell is killed the present as useful for modulating a cell cartivity of a cell expressing a polypeptide designated as A, B, C or D or E, F, G, H, or I. The cell is killed the processes and as therapeutic agents for treating sports-related joint corr arthritis. Nucleic acids encoding the proteins are useful as

/note= "Asn is N-glycosylated"

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hybridisation probes, in chromosome and gene mapping, in the generation of anti-sense RNA and DNA, for the preparation of the proteins, to generate transgenic or knockout animals which are useful in the development and screening of therapeutic useful reagents, for chromosome identification, and in gene therapeur the antibody is useful as a herapeutic agent, in a diagnostic assay and for affinity purification of the protein from recombinant cell culture natural sources. The present sequence represents a novel secreted or transmembrane protein of the
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                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                 100.0%; Score 282; DB 5; Length 282; 100.0%; Pred. No. 2.8e-286;
                                                                                                                                                                                           Indels
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/note= "Immunoglobulin domain"
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196. .200
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                                                                                                                                                                                         0; Mismatches
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'note= "Signal sequence"
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ne= "Mature TAT134"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAU76536 standard; protein; 282
                                                                                                                                                                              ilarity 100.0%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .116
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/note= "N
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190. .19
                                                                                                                                                                              Best Local Similarity
Matches 282; Conserv
                                                                                                                                         Sequence 282 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Modified-site
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                                                                                                              invention
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                                                                                                                                                                 Query Match
Best Local 8
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Domain

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WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
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                                                                                                                  QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Polypeptides comprising an immunogenic portion of an ovarian carcinoma protein or its variants, useful for stimulating an immune response in patient and treating ovarian cancer.
                                                                                                                                                                                                                                WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV
                                                                                    QLTDAGTYKCY I ITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV
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Hill P, Albone E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; immunostimulant; cytostatic; cancer; ovarian carcinoma.
                                                                                                                                                                                                                                                                                                 TESEIKRRSHLOLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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Pred. No. 2.8e-286;
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Carter D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABP30901 standard; protein; 282
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100.0%;
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2000US-00667857.
2001US-00827271.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           entry)
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Best Local Similarity 100.
Matches 282; 'Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  to the invention
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Reed SG, Vedvick TS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-164781/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB; ABN72971.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OBE protein #2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-AUG-2000;
20-SEP-2000;
04-APR-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  polypeptide-expressing cancers, purifying or immunoprecipitating TAT polypeptide from cells, for detection and quantitation of TAT polypeptide in vitro, e.g., in an enzyme linked immunosorbent assay (ELISA) or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel isolated tumor-associated antigenic target polypeptides which are useful as targets for cancer therapy and diagnosis in mammals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Smith V;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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Western blot. The antibodies are also useful for treating a TAT-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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100.0%; Pred. No. 2.8e-286;
205. .209
/note= "Asn is N-glycosylated"
216. .220
                                                                         /note= "Asn is N-glycosylated"
220. .224
/note= "Asn is N-glycosylated"
258. .281
                                                                                                                                                                                    /note= "Transmembrane domain"
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2000WO-US032678.
2001WO-US006520.
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Matches 282; Conserv
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Modified-site
                                                 Modified-site
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01-DEC-2000;
28-FEB-2001;
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Length 282; 0; Indels

an ovarian carcinoma

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61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120

Query Match

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120 120 180 180 240

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Gaps

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Length 282, Indels

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Human; B7-like protein; B7-L; reproductive disorder; autoimmune disease; proliferative disorder; infertility; hyperplasia; cancer; lung; breast; brain; seminal vesicle; haematopoietic system; tumour; diabetes mellitus; rheumatoid arthritis; systemic lupus erythematosis; toxic shock syndrome; inflammatory bowel disease; psoriasis; allergy; Crohn's disease; vaccine; Grave's disease; arteriosclerosis; multiple sclerosis; hypersensitivity; mephropathy; skin disorder; endocrinopathy; vasculopathy; gynaecological; myasthenia ravis; anaemia; lymphoproliferative disorder; neuroprotective; cytostatic; multiple myelom; tissue-degenerating disease; nephrotropic; immunosuppressive; asthma; virucide; gene therapy.
transcribed from breast tissue, and the polypeptides encoded by them. These are useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing, treating, or determining the predisposition of an individual to diseases and conditions of the breast, such as breast cancer. Also provided are antibodies which specifically bind to BS265 proteins, and agonists or inhibitors which prevent action of the proteins, and which are useful for treatment of breast disease, especially tumours and metastases
                                                                                                                                                                                                                                                                                                                         1 MASLGQILFWSIISIIIILAGAIALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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; Pred. No. 2.8e-286;
0; Mismatches 0;
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/label= Human_mature_B7-L_protein
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/label= Signal_peptide
25. .282
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                                                                                                                                                                                                                        100.0%;
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                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 282; Conservative
                                                                                                                                                                                  Sequence 282 AA;
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                                             DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
                                                                                                    QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                  WASQUDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                        WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New BS265 proteins and nucleic acids, useful for detecting, diagnosing, staging, monitoring, prognosticating, in vivo imaging, preventing, treating, or determining the predisposition of an individual to breast
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence is the protein sequence of human breast BS265 protein, as predicted from a BS265 expressed sequence tag clone (see ABL57354). The invention provides a set of contiguous and partially overlapping cDNA sequences (see ABL57345-63), designated as BS265 and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gordon J;
Roberts-Rapp LA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              human; breast; cancer; tumour; metastasis; diagnosis;
                                                                                                                                                                                                                                                           TESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
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98US-00193944.
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Hodges SC,
Stroupe SD;
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COLPITTS T L.
FRIEDMAN P N.
GORDON J.
GRANADOS E N.
HODGES S C.
KLASS M R.
KRATOCHVIL J D
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STROUPE S D.
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18-NOV-1998;
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(HODG/) (KLAS/) (KRAT/) (ROBE/) (RUSS/)

(COHE/) (COLP/) (FRIE/) (GORD/) (GRAN/)

BS265;

RESULT 15

ABB09879

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The present invention relates to an isolated B7-like (B7-L) polypeptide and its polynucleotide. B7-l and its modulators are useful for treating reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L are useful for enhancing the immune response to tumours B7-l plays a role in growth and maintenance of cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-l. Modulators of B7-l are useful for the treatment of cancer e.g. seminal vesicle, lung, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-l and their modulators are useful to treat autoimmune diseases such as systemic lupus erythematosis, theumatoid arthritis, immune thrombocytopenic purpura and psoriasis, chronic arthritis, immune thrombocytopenic purpura and psoriasis, chronic and ulcerative colitis, drawe's disease, Hashimoto's thyroiditis and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   multiple sclerosis, allergy, asthma and hypersensitivity reactions, multiple sclerosis, allergy, asthma and hypersensitivity reactions, multiple sclerosis, allergy, asthma and hypersensitivity reactions, perphropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies, various pneumopathies, vasculopathies, coeliac disease, anaemia, thromobocytopaenia, Guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. B7-L gene is useful in gene therapy and to map the locations of diagnostic assays, for isolating corresponding chromosomal B7-L genes, and to identify heritable tissue-degenerating diseases. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. Modulators of B7-L are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, arteriosclerosis and vascular restenosis. Soluble B7-L serves as vaccine adjuvants.

Antagonists of B7-L are useful for alleviation of toxic shock syndrome or
                                                                                                                                                                                                 Novel B7-like polypeptides, polynucleotides and their modulators useful for prevention and treatment of reproductive, immune and proliferative
                                                                                                                                                                                                                              for prevention and treatment of reproduct
disorders, e.g. cancer, arteriosclerosis.
                                                                                                                                                                                                                                                                                                                Claim 13; Fig 1A-1B; 133pp; English
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                                                             Fang M;
                                                       Sullivan JK,
                                                                                                               2002-171639/22
  (AMGE-) AMGEN INC.
                                                       Fox M,
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Sequence 282 AA;

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        100.0%; Score 282; DB 5; I 100.0%; Pred. No. 2.8e-286;
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Query Match
Best Local Similarity 100.
Marches 282; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     polynucleotide and corresponding antigens from human ovarian cancer
1s, useful for treatment and diagnosis of ovarian cancer.
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                                                                                                            Human; gene A; ovarian tumour; gene B; OREO; ovarian cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       present sequence represents a protein designated OREO. of Epithelial Tissue vs. Ovary tumour) gene is a novel
                                                                                                                                                                                           /note= "predicted transmembrane domain"
                                                                               Amino acid sequence of the OREO gene (gene B)
                                                                                                                                                                                                                                               'note= "N-glycosylation site"
                                                                                                                                                                                                                                                                            'note= "N-glycosylation site"
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ABB09879 standard; protein; 282 AA.
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N-PSDB; ABL56582.
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Les 282; Conserv
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                           ABB09879
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07773;
01-0CT-2003 (TrEMBLrel. 25, Created)
01-0CT-2003 (TrEMBLrel. 25, Last sequence update)
25-0CT-2004 (TrEMBLrel. 28, Last annotation update)
Immune costimulatory protein B7-H4 (T cell costimulatory molecule B7x)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899; Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G., Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Brownstein M.J., Usdin T.B., Toshyyuki S., Carninci P., Prange C., Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.

MEDLINE=22897265, PubMed=12975309; DOI=10.1101/gr.1293003;

MEDLINE=22887265, PubMed=12975309; DOI=10.1101/gr.1293003;

Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D., Brush J.,

Chen J., Chow B., Chui C., Crowley C., Currell B., Deuell B., Dowd P.,

Eaton D., Foster J., Grimaldi C., Gu Q., Hass P.E., Heldens S.,

Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J.,

Seshagiri S., Simmons L., Singh J., Smith V., Stinson J., Vagts A.,

Vandlen R., Watenabe C., Wieand D., Woods K., Xie M.H., Yansura D.,

Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A., Wood W.I.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: bioinformatics assessment."; genome Res. 13:2265-2270 (2003).
                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens (Human).
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE FROM N.A.
Sica G.L., Choi I.-H., Zhu G., Tamada K., Wang S.-D., Tamura H.
Chapoval A.I., Flies D.B., Bajorath J., Chen L.;
Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIJNE-22833980; PubMed-12920180; DOI-10.1073/pnas.1434299100;
Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.;
"B7x: a widely expressed B7 family member that inhibits T cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003)
                                                                                                                                                                                                                                                                                                             282 AA
                                                                                                                                                                                                                                      ALIGNMENTS
                                                                                     YGP9 YEAST
Q6ADS0
Q6CWZ2
Q7U9Z8
HEMA P11HW
057310
Q77Z22
Q82UT7
Q7U3C8
Q7V3T7
Q839V3
HTPX STRMU
Q92TR9
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   PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
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                                                                                                   April 19, 2005, 07:17:40; Search time 83 Seconds (without alignments) 1739.835 Million cell updates/sec
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Q6di58
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07tsp5
09b8d0
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Q897x0
Q867x0
Q662x1
Q66234
Q66234
Q6622x0
Q672x0
P30050
P30050
P35979
Q60285
P23585
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Q60285
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Q8k091
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                5.1.6
Compugen Ltd
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                GenCore version (c) 1993 - 2005
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06F097
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Q7ZUG1
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Q7UST1
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1: uniprot_sprot:*
2: uniprot_trembl:*
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Match Length DB
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Result

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282 228 187 61 61

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Length 282;

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55 SCTFEPDIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNAS 114
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                                                                                                                                                                                                                                                                                                                                         175 PQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKA 234
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                                                                                                                                                                                                                                                              LRLKUVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWF 174
                                                                                                                                                                                                      TGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPLSPYLMLK 282
                                                                                                                                                                                                                                                                                                                                                                                                                                            6F9066999A1E9DB4 CRC64;
                                                                                                                    Pred. No. 1.7e-229;
                                                                                                              100.0%; Preq. ...
                                                                                                    80.9%; Score 228;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
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  InterPro; IPR007110; Ig-like.
SMART; SM00400; IG; 1.
PROSITE; PS50835; IG LIKE; 2.
SEQUENCE 282 AA; 30893 NW;
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InterPro; IPR007110; 1G-11ke.
PROSITE; PS50835; IG LIKE; 1
SEQUENCE 187 AA; 20743 MW;
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                                                                                                  Query Match
Best Local Similarity 100.0
Matches 228; Conservative
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Name=B7-H4;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 DIKLSDIVIQWLKEGVLGLVHEFKEGKDELSEQDEMFRGRTAVFADQVIVGNASLRLKNV 120
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121 QLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEVNVDYNASSETLRCEAPRWFPQPTVV 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            181 WASQVDQGANFSEVSNTSFELNSENVTMKVVSVLYNVTINNTYSCMIENDIAKATGDIKV 240
Bosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A., Fahey J., Helton E., Ketteman M. Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., Krayainski M.I., Skalska U., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E., Jones S.J., Marra M.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 MASLGQILFWSIISIIILLAGALALIIGFGISGRHSITVTTVASAGNIGEDGILSCTFEP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Mammalia, Eutheria, Primates, Catarrhini; Hominidae, Homo
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                                                                                                                                                                                                                                                                                                Director MGC Project;
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AY280972; AAP37283.1; -.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1C9C565A9242E78C CRC64;
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01-MAR-2001 (TrEMBLrel. 16, Created)
01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Hypothetical protein FLJ22418.
                                                                                                                                                                                                                       Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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100.0%; Pred. No. 5.6e-286;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        InterPro; IPR007110; Ig-like.
Pfam; PF00047; ig; 1.
PROSTIE; PS50835; IG LIKE; 2.
SEQUENCE 282 AA; 30878 MW;
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                                                                                                                                                                                                      and mouse cDNA sequences.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases
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Last annotation update)
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RESULT 2 094682 DD 09466 AC 09466 DD 01-M2 DT 01-M2 DT 01-M2 DD 01-M2 DC MAMME OC MAMME OC MAMME OC MAMME OC MAMME RN (1) RP SEQU RA CAMAL R

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Local Similarity
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Q7TPH5
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Klausner R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Altschul S.F., Zeeberg B., Buetow K.H., Stonefer C.F., Bhat N.K.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Carannor T.L., Scheetz T.E.,
Brownstein M.J., Usdin T.B., Tochiyuki S., Carninci P., Frange C.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
Raba S.S., McWam P.J., McKernan K.J., Maake J.A., Gubbs R.A.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bonifard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.W., Butterfield Y.S.,
Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.E.,
Generation and initial analysis of more than 15,000 full-length human
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                                                                                                                                           61 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 120
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                                                                                                                           156 NVDYNASSETLRCEAPRWFPQPTVVWASQVDQGANFSEVSNTSFELNSENVTMKVVSVLY 215
                                                                                                                                                                                    216 NVTINNTYSCMIENDIAKATGDIKVTESEIKRRSHLQLLNSKASLCVSSFFAISWALLPL 275
                                                                                  1 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV 60
                                                                   96 MFRGRTAVFADQVIVGNASLRLKNVQLTDAGTYKCYIITSKGKGNANLEYKTGAFSMPEV
                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TISSUE=Uterus;
MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
ABDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899;
          Length 187;
                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Strausberg R.;
Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases
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Last sequence update)
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         Score 187; DB 2; Le
Pred. No. 9.4e-187;
66.3%; Sco...
100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                   283 AA.
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InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
SMART; SM00409; IG; 1.
PROSITE; PS580835; IG LIKE; 2.
SEQUENCE 283 AA; 30801 MW; 77
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                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and mouse cDNA sequences.
                                                                                                                                                                                                                                                                                                                                                   PRELIMINARY;
                                                                                                                                                                                                                                              276 SPYLMLK 282
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mus musculus (Mouse)
                      Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDIINE=22703430; PubMed=12818166; DOI=10.1016/S1074-7613(03)00147-X; Prasad D.V., Richards S., Mai X.M., Dong C.; "B7S1, a novel B7 family member that negatively regulates T cell
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                                      Gaps
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
NCBI_TaxID=10090;
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05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Immune costimulatory protein B7-H4 (T cell costimulatory molecule
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 283;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21.6%; Score 61; DB 2; Length 283
100.0%; Pred. No. 9e-55;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             activation.;
Immunity 18:863-873(2003).
EMBL, AN322147, AAP88965.1; -.
HSRP, QG3351, IPRO.
InterPro; IPRO03599; IG.
InterPro; IPRO07110; IG-like.
SMART; SM00409; IG; 1.
SEQUENCE 283 AA; 30847 MW; A97F17461857850B CRC64;
                                                                                                                                                                                                                                                                                                                                          01-OCT-2003 (TrEMBLrel. 25, Created)
01-OCT-2003 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
                 Pred. No. 9e-55;
Mismatches 0;
                                                                                                                                                                                                                                                                                                      283 AA.
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01-0CT-2003 (TrEMBLrel. 25, Last seq
05-JUL-2004 (TrEMBLrel. 27, Last ann
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100.0%; Pre
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SEQUENCE FROM N.A.
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15 IIIILAGA 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDLINE=21142511; PubMed=11208783; DOI=10.1128/JB.183.3.865-872.2001; Anderson J.B., Wickens C., Khan M., Cowen L.E., Federspiel N., Jones T., Kohn L.M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Federapiel N.A., Jones T., Scherer S., Hansen N., Bivolarevic V., Huizar L., Komp C., Surzycki R., Tamse R., Altafi H., Aparicio A.M., Araujo R., Au M., Aviles Campo F., Bruno D., Comn L., Faulkner D., Gurjal M., Kalman S., Kurdi O., Smith M., Allen E., Marziali A., Glukhov S., Proctor M., Thorstenson Y., Willis T.D., Davis R.W.; Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.
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GO; GO:0008137; F:NADH dehydrogenase (ubiquinone) activity; IEA.
GO; GO:0006120; P:mitochondrial electron transport, NADH to u.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Bukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; mitosporic Saccharomycetales; Candida.
NCBI_TaxID=237561;
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             MEDLINE=22833980; PubMed=12920180; DOI=10.1073/pnas.1434299100; Zang X., Loke P., Kim J., Murphy K., Waitz R., Allison J.P.; "B7x: a widely expressed B7 family member that inhibits T cell
                                                                                                                                                         Length 283;
                                                                                                                                              Score 61; DB 2; Lengtn 2007; Pred, No. 98-55;
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                                                                                                HSSP, Q63345; 1PKO.
InterPro; IRR007110; Ig-like.
PROSITE; PSS0935; IG LIKE; 2.
SEQUENCE 283 AA; 30875 MW; 7E2F174618578519 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               84 AA; 9220 MW; 16C2093CACE79CD3 CRC64;
                                                  activation.";
Proc. Natl. Acad. Sci. U.S.A. 100:10388-10392(2003).
EMBL; AY380973; AAB77284.1; -.
EMBL; AY346099; AAQ24205.1; -.
                                                                                                                                                                                                                                                                                                                                                                 01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 25, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
NADH dehydrogenase subunit 4L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    h 2.8%; Score 8; DB 2; Similarity 100.0%; Pred. No. 8.3; 8; Conservative 0; Mismatches
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100.0%; Pred. No. ...
... 0; Mismatches
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Interpro, IPR003214; Oxidred4L.
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                                                                                                                                                                                   61; Conservative
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Best Local Similarity
Matches 8; Conserv
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SEQUENCE FROM N.A.

TISSUE=Frontal lobe left;

WEDLINE=21458551; PubMed=11574149; DOI=10.1016/S0378-1119(01)00665-5;
Osada N., Hida M., Kusuda J., Tanuma R., Iseki K., Hirata M., Suto Y.,
Hirai M., Terao K., Suzuki Y., Sugano S., Hashimoto K.;
"Assignment of 118 novel cDNAs of cynomolgus monkey brain to human
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                                                                                                                                                                                                                                                     01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein.
Hypothetical protein.
Forbardia (Crab eating macaque) (Cynomolgus monkey).
Eukaryota, Metazoa; Chordata; Craniata, Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Cercopithecidae;
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SEQUENCE FROM N.A.
STRAIN=Massachusetts / E88;
MEDLINE=22457253; PubMed=12552129; DOI=10.1073/pnas.0335853100;
MEDGGemann H., Baeumer S., Fricke W.F., Wiezer A., Liesegang H.,
Decker I., Herzberg C., Martinez-Arias R., Merkl R., Henne A.,
Gottschalk G.;
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Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae;
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2004 (TrEMBLrel. 26, Last annotation update)
Putative transcriptional regulator (PadR family).
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Proc. Natl. Acad. Sci. U.S.A. 100:1316-1321(2003).
EMBL, AE015938; AAO35216.1; -.
INTERPRO; IPR005149; PadR.
INTERPRO; IPR009058; Wing_hlx_DNA_bnd.
PF03551; PadR; 1.
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2.8%; Score 8; DB 2;
Local Similarity 100.0%; Pred. No. 10;
hes 8; Conservative 0; Mismatches
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54 IIIILAGA 61
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Q862L6;
01-JUN-2003 (TrEMBLrel. 24, Created)
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Best Local Similarity 100.vv
Best Acconservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 13
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   SFT TWO BY BY ST
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
81-2004 (TrEMBLrel. 27, Last annotation update)
Ribosomal protein L12 (Fragment).
Pagrus major (Red sea bream) (Chrysophrys major).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Acanthomoteryali; Neopterygii; Teleostei; Buteleostei; Neoteleostei;
Sparidae; Pagrus.
NCBI_TaxID=143350;
                                                                                                                                                        Gaps
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Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
Bovinae; Bos.
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Chen S.L., Xu M.Y.;
Submitted (DEC-2002) to the EMBL/GenBank/DDBJ databases.
-!- SIMILARITY: Belongs to the ribosomal protein L11P family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GO; GO:0005840; C:ribosome; IEA.
GO; GO:0003735; F:structural constituent of ribosome; IEA.
GO; GO:0006412; P:protein biosynthesis; IEA.
Interpro; IPR000911; Ribosomal_L11.
Pfam; PP00298; Ribosomal_L11; 1.
                                                                          Length 106;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 118;
                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
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2D2ECFC628204CDF CRC64;
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JOT-2003 (TrEMBLrel. 25, Last annotation update)
Similar to ribosomal protein L12 (Fragment).
Bos taurus (Bovine).
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                                                                              DB 2;
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100.0%; Pred. No. ...
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                                                                      Query Match 2.8%; Score 8; DB 2
Best Local Similarity 100.0%; Pred. No. 10;
Matches 8; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ribonucleoprotein; Ribosomal protein.
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   106 AA; 12356 MW;
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nes 8; Conservative
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06Y1Y6
10 COLV
AC 06Y1Y
AC 06Y1Y
DT 05-JU
DE RABAR
OC BURAR
OC SPATI
OC SP
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0862X1
AC 0862X
AC 0862X
AC 0862X
AC 0862X
DT 01-JU
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GG; GO:000541; F:oxidoreductase activity; IEA.
GG; GO:001641; F:oxidoreductase activity; IEA.
GG; GO:00181; P:oxidoreductase activity; IEA.
InterPro; IFR00032; NitrogenaseII.
Pfan; PF00142; Fer4 Nifth; I.
PROSITE; PS00746; NIFH_FRXC_1; I.
PROSITE; PS00746; NIFH_FRXC_1; I.
NON_TER 11 1 11
NON_TER 141 141
SEQUENCE 141 AA; 14987 MW; 15AAADCEB162617C CRC64;
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-- SIMILARITY: Belongs to the nifH / bchL / chlL family.
EMBL; AB011904; BAA28439.1; --
HSSP; P00456; ICP2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-AUG-1998 (TrEMBLrel. 07, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Alpha subunit of dinitrogenase reductase (Fe protein) (Fragment)
Mol. Reprod. Dev. 65:9-18(2003).

- I - SIMILARITY: Belongs to the ribosomal protein Lilp family. R EMBL; AB098784; BAC56320.1; -

R GO; GO:0005840; C:ribosome; IEA.

R GO; GO:0005335; F:structural constituent of ribosome; IEA.

R GO; GO:0006412; P:protein biosynthesis; IEA.

R HOROGOSOME RIBOSOMAL LII; I.

R Pfam; PF00298; Ribosomal Lil; I.

R Pfam; PF003945; Ribosomal Lil; I.

R PROSITE; SW00649; RLII; I.

R PROSITE; PS00395; RIBOSOMAL LII; I.

R RROSITE; PS00395; RIBOSOMAL LII; I.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    2.8%; Score 8; DB 2;
100.0%; Pred. No. 12;
ative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   unidentified nitrogen-fixing bacteria.
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[ISSUE=Embryo;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Q8C2K0;
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A Klausner R.D., Collins F.S., Wagner L., Shemmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E.,
A Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C.,
A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
A Villalon D.K., Muzny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Fahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
                                                                                                                                                 MEDLINE=22544902; PubMed=12658628; DOI=10.1002/mrd.10292; Ishiwata H., Katsuma S., Kizaki K., Patel O.V., Nakano H., Takahashi T., Imai K., Hirasawa A., Shiojima S., Ikawa H., Suzuki Y., Tsujimoto G., Izaike Y., Todorana S., Ikawa H., Suzuki Y., Tsujimoto G., Izaike Y., Todorana K.; Hashizume K.; Maracterization of gene expression profiles in early bovine pregnancy using a custom cDNA microarray."; Mol. Reprod. Dev. 65:9-18(2003).

-1- SIMILARITY: Belongs to the ribosomal protein L11P family. HSSP; P29395; 1MMS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hypothetical protein.

Kenopus tropicalis (Western clawed frog) (Silurana tropicalis).

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Amphibia; Batrachia; Anura; Mesobatrachia; Pipoidea; Pipidae;

Kenopodinae; Xenopus.
                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                     ribosome; IEA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     145 AA; 15690 MW; 386D68BD728102D3 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update) 01-OCT-2003 (TrEMBLrel. 25, Last annotation update) Similar to ribosomal protein L12 (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE-Embryo;
PubMed=12477932; DOI=10.1073/pnas.242603899;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2.8%; Scot.
V 100.0%; Pred. No. 13,
                                                                                                                                                                                                                                                                                              153 AA
                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE, PS00359, RIBOSOMAL L11; 1. Ribonucleoprotein; Ribosomal protein.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        145
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                                                 Bos taurus (Bovine).
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                                                                                                                                      SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.
                                                                                        Bovinae, Bos.
NCBI TaxID=9913;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=8364;
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                                                                                                                                                                                                                                                                                                                                                                                              SMART;
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Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Butterfield Y.S., Krzywinski M.I., Skalska U., Smailus D.E., Schnerch A., Schein J.B., Jones S.J., Marra M.A.; "Generation and intial analysis of more than 15,000 full-length human and mouse cDNA sequences.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         the RIKEN Genome Exploration Research Group Phase I & II Team; "Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs."; Nature 420:563-573(2002).
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STRAIN=NOD; TISSUE=Thymus;
MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100;
Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAIN=NOD; TISSUE=Thymus; MEDLINE=99279253; PubMed=10349636; DOI=10.1016/S0076-6879(99)03004-9; Carninci P., Hayashizaki Y.; Hajashizaki Y.; Hijashizaki Y.; Melid-efficiency full-length cDNA cloning."; Meth. Enzymol. 303:19-44(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mus musculus 2 days neonate thymus thymic cells cDNA, RIKEN full-
length enriched library, clone:E430018F03 product:ribosomal protein
L12, full insert sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Mus. MUSI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=NOD; TISSUE-Thymus; MEDLINE-2108655500; MEDLINE-21085660; PubMed=11217851; DOI=10.1038/35055500; RIKEN FANYOM CONSORTIUM; "Functional annotation of a full-length mouse cDNA collection."; Nature 409:685-690(2001).
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                                                                                                                                                                                           Klein S. Gerhard D.S.; Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases. Submitted (AUG-2004) to the EMBL/GenBank/DDBJ databases. SIMILARITY: Belongs to the ribosomal protein Lilp family. EMBL; BC079961; AAH79961.1; InterPro; IPR000911; Ribosomal Lil. Pfam; PF00298; Ribosomal Lil; 1. Pfam; PF00298; Ribosomal Lil. N; 1.
                                                                                                                                                                                                                                                                                                                                                        SMART; SM00649; RL11; 1. _ _ HSOSTRE, PS00539; RIBOSOMEL L11; 1. Hypotherical proctein; Ribonucleoprotein; Ribosomal protein. SEQUENCE 153 AA; 16408 MW; 51031F4215E29158 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 153;
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Last annotation update)
                                                                                                               Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
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100.0%; Pred. No. 14;
tive 0; Mismatches
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The FANTOM Consortium,
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CSTRAIN-NOD; TISSUE-Thymus;
Adachi J., Aizawa K., Akimura T., Arakawa T., Bono H., Carninci P.,
Adachi J., Aizawa K., Hangaki T., Hara A., Hashizume W.,
A Fukuda S., Furuno M., Hanagaki T., Hara A., Hashizume W.,
A Fukuda K., Hayatsu M., Hiramoto K., Hiraoka T., Hirozane T.,
A Hayashida K., Ishii Y., Ichh M., Kagawa I., Kauukawa T.,
A Katoh H., Kawai J., Kojima Y., Kondo S., Konno H., Kouda M., Koya S.,
Kurihara C., Matsuyama T., Miyazaki A., Murata M., Nakamura M.,
A Nishi K., Nomura K., Nimazaki R., Ohno M., Ohaato N., Okazaki Y.,
Saito R., Saitoh H., Sakai C., Sakai K., Sakazume N., Sano H.,
A sasaki D., Shibata K., Shinagawa A., Shiraki T., Sogabe Y., Tagami M.,
Tagawa A., Takahashi P., Takaku Akahira S., Takeda Y., Tanaka T.,
Tomaru A., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y.;
Submitted (Apr-2002) to the EMBL/GenBank/DDBJ databases.
E. Similahity: Belongs to the ribosomal protein Lilp family.
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"Normalization and subtraction of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
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                                                                                                      STRAIN-MOD; TISSUE-Thymus;
MEDLINE-20530913; PubMed=11076861; DOI=10.1101/gr.152600;
Shibbata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Konno H., Akiyama J., Kishi K., Hateunai T., Tashiro H., Itoh M., Sumi N., Ishii Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamamotco R., Matsumoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Fujiwake S., Inoue K., Togawa Y., Izawa M., Ohara E., Watahiki M., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Rishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Rishika Interprated sequence analysis (RISA) system-384-format Genome Res. 10:1757-1771(2000).
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Ribonucleoprotein; Ribosomal protein.
SEQUENCE 164 AA; 17806 MW; 66A010247E426D0C CRC64;
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100.0%; Pred. No. 15;
iive 0; Mismatches
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GO:0005730; C:nucleolus; IDA.
GO:0005515; F:protein binding; IPI.
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Pfam; PF03946; Ribosomal Lil. N; 1.
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Matches 8; Conserv
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